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Construction Completion Report

J. H Baxter South Property Site Renton, Washington

Prepared by:

The RETEC Group, Inc. 1011 SW Klickitat Way, Suite 207 Seattle, Washington 98134-1162

RETEC Project Number: VULAN-16672-800

Prepared for:

The Port Quendall Company c/o Vulcan Inc. 505 Fifth Avenue South, Suite 900 Seattle, Washington 98104

March 16, 2005



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Prepared by:

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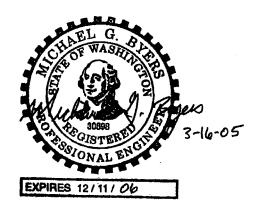
Michael G. Byers, P. Z., Project Manager

March 16, 2005

Construction Report Former Wood Treating Site Remediation J. H Baxter South Property Site – Seattle, Washington

Based on direct observation made by The RETEC Group (RETEC) personnel, materials testing, laboratory testing and other construction documentation described in this report, it is the opinion of the undersigned that the South Baxter cleanup action has been constructed in substantial compliance with the intended design as presented in the plans and specifications (Baxter Cove Cleanup Bid Specifications – July 29, 2002 and Excavation and In Situ Solidification Specifications, – February 23, 2004) and related documents (Consent Decree No. 00-2-11779-5 KNT, Cleanup Action Plan – ThermoRetec 2000, and Final Engineering Design Report – May 2002). The material and data in this report were prepared under supervision and direction of the undersigned.

The RETEC Group, Inc.



Michael G. Byers, P.E. Project Manager

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1 Introduction

The remedial action work was completed to satisfy the capital portions of the Consent Decree (Consent Decree No. 00-2-11779-5 KNT) with the Washington State Department of Ecology (Ecology), the governing agency for the J.H Baxter South Property Site. The J. H Baxter South Property Site is a former wood treating site located in Renton, Washington. The Consent Decree outlines the full remedial actions required on the site including the capital portions of the remedy and the remaining portions. The capital portions include source remediation (DNAPL removal, soil excavation and disposal or treatment, and *in situ* stabilization) and wetland mitigation. This document discusses the completion of the capital portions of the remedial action for the South Baxter Property (South Property Cleanup) and is completed in accordance with WAC-173-340-400.

The South Property remediation cleanup action is discussed in the Ecology-approved Final Engineering Design Report (EDR), dated May 2002, prepared by The RETEC Group Inc. (RETEC). RETEC prepared the construction documents for performing the cleanup action at the South Property. The construction documents include Baxter Cove Cleanup Bid Specifications, dated July 29, 2002 (approved by Ecology) and Excavation and In Situ Solidification Specifications dated February 23, 2004 (approved by Ecology via email dated March 16, 2004).

1.1 Site Description

The South Baxter Property site is located on the eastern shore of Lake Washington on the former delta of May Creek in Renton, Washington. Two independent cleanup project sites (Quendall Terminals and BarbeeMills) are located to the south of the South Baxter Property. The site is bound to the north by the North Baxter Property. Both the South Baxter Property and North Baxter property are owned by the Port Quendall Company (PQC). Remedial action for the North Baxter Property will be managed separately in compliance with the existing Consent Decree for the property. The South Baxter Property site is approximately 7 acres in size and is comprised of an offshore area (Baxter Cove), a near shore area (wetland mitigation area) and a far shore area. The contaminants of concern addressed during the cleanup action were developed in the site Cleanup Action Plan (CAP) (ThermoRetec 2000), and include pentachlorophenol (PCP) and polycyclic aromatic hydrocarbons (PAHs). The remediation work described in this report includes source remediation (DNAPL recovery, soil excavation and disposal, in-situ stabilization (ISS) and creation of the wetland area on the site. The main site areas addressed at the Baxter South Property during the cleanup action include Baxter Cove, Baxter Lagoon, Butt Tank and Tank Farm areas.

1.2 Overview of Cleanup Action

Cleanup action at the South Baxter Property comprised the following activities:

- Removal and off-site disposal of impacted sediment above the cleanup level of 100 mg/kg total PAH from Baxter Cove
- Re-creation of wetlands adjacent to Lake Washington and buffer restoration and enhancement; impact avoidance to species listed as threatened under the Endangered Species Act through hydraulic isolation of the project work and the timing of in-water work
- Dense non-aqueous phase liquid (DNAPL) removal from source monitoring well BAX-14
- Excavation of light non-aqueous phase liquid (LNAPL) impacted soil in the tank farm area based on an action level of 1,000 mg/kg total PAH and off-site disposal of soil to remove long-term source of groundwater impacts
- Excavation and off-site disposal of K001 listed hazardous waste from Baxter Lagoon area
- ISS of impacted soil near the Butt Tank and Baxter Lagoon area based on an action level of 1,000 mg/kg total PAH to remove longterm source of groundwater impacts

The South Property Cleanup was conducted under two separate mobilizations. The in-water work that includes Baxter Cove cleanup and wetlands re-creation was completed in 2002 while the upland work was completed in 2004. Upon completion of the 2002 remediation work, as-built report of the wetlands reconstruction work was submitted and approved by Ecology.

Approximately 810 bank cubic yards (in-place volume measured by pre-excavation and post-excavation survey data) of contaminated sediment was removed from Baxter Cove and transported offsite for disposal as non-hazardous material during the 2002 remedial cleanup action. Sidewall and bottom confirmation samples were collected from the cove excavation to demonstrate that site cleanup had been achieved. Approximately 147,000 gallons of water was removed from Baxter Cove and discharged under a site permit to local the POTW. Approximately 0.46 acres of Class 2 forested wetland was constructed in the Baxter Cove area.

Approximately 120 bank cubic yards of hazardous impacted material was excavated from the Baxter Lagoon area and transported offsite for disposal during the 2004 remedial cleanup action. Approximately 1,660 bank cubic yards of non-hazardous impacted material was excavated from the Tank Farm

area and transported offsite for disposal. Sidewall and bottom confirmation samples were collected from the Tank Farm excavation to demonstrate that site cleanup had been achieved. Approximately 11,680 bank cubic yards of ISS treatment was completed in the Butt Tank and Baxter Lagoon area.

All non-hazardous impacted materials were transported offsite by truck to the Rabanco Transfer Facility located in Seattle. From the transfer station, the material was shipped by rail to Roosevelt Regional Landfill located in Klickitat County (a Subtitle D permitted facility) for final disposal. The hazardous sludge excavated from Baxter Lagoon was transported to Clean Harbors Aragonite Incineration Facility in Utah for treatment (incineration) and disposal.

Field activities associated with the 2002 remediation work were initiated with site mobilization by Strider Construction Company Inc. (Strider) on September 11, 2002. All in-water work was completed by October 31, 2002 as required by the Army Corps of Engineers permit for the site. Equipment and materials were demobilized from the site on November 15, 2002. Field activities pertaining to the 2004 remediation work were completed by Envirocon, Inc. (Envirocon). Equipment and materials were mobilized to the Site on July 26, 2004 and work was completed on October 15, 2004.

1.3 Report Organization

This report is organized into seven sections. Section 1 provides a summary of the completion report. Section 2 describes the project management and organization. Section 3 describes the remedial action plan. Section 4 summarizes the site preparation activities. Remedial cleanup activities performed at the site during 2002 are described in Section 5 and remedial activities from 2004 are presented in Section 6. Summary and conclusions are presented in Section 7.

Appendices to this report include the following:

- Appendix A Laboratory Analytical Results Baxter Cove Excavation Confirmation Samples
- Appendix B Laboratory Analytical Results Upland Excavation Confirmation Samples
- Appendix C As-Built Drawings 2002 Site Remediation
- Appendix D As-Built Drawings 2004 Site Remediation
- Appendix E Weight Tickets
- Appendix F Wetlands Reconstruction Report

- Appendix G Backfill Material Information
- Appendix H ISS QA Data
- Appendix I Photographs
- Appendix J Field Activity Log
- Appendix K Culvert Memorandum

2 Project Management and Organization

A brief summary of each contractor's role is described below. Ecology provided regulatory oversight for the project. The owner of the property and RETEC's client is PQC.

RETEC was responsible for overall project management: coordinating with Ecology for compliance with regulations; preparing the construction documents; and contractor procurement and contract administration.

Strider of Bellingham, Washington was selected to perform the 2002 remediation work. In this capacity as project contractor, Strider retained three subcontractors, identified below.

- Rabanco Regional Disposal Company (Rabanco) was retained to transport impacted soil to the transfer facility located in Seattle, Washington. The material was disposed by Rabanco at their Subtitle D Roosevelt Regional Landfill facility.
- Inca Engineering (Inca) was retained to survey the horizontal and vertical limits of excavations and site topography.
- Terra Dynamics Inc. was retained to perform landscape and irrigation work in the wetland area.
- Emerald Services Inc. (Emerald) was retained for disposal of contaminated water collected during remediation activities.

Associated Earth Sciences Inc. (AESI) was retained by RETEC to perform construction oversight of the wetlands reconstruction work.

Envirocon of Missoula, Montana was selected to perform the 2004 remediation work. As project contractor, Envirocon retained three subcontractors, identified below.

- Philips Environmental was retained for disposal of contaminated water collected during remediation activities
- PLS was retained to survey the horizontal and vertical limits of excavations and site topography
- Miles Sand and Gravel Company was retained to import backfill material

PQC selected Rabanco for transportation and disposal of non-hazardous impacted materials and Clean Harbors for transportation and disposal of hazardous materials for the 2004 work based on recommendation from RETEC.

3 Description of Remedial Action and Removal Implementation

3.1 Description of Remedial Action

The remediation cleanup actions at the South Baxter Property performed during 2002 and 2004 consisted of the following activities:

- Site preparation
- Site Clearing
- Water Management
- Excavation and disposal of source material
- ISS
- Field sampling
- Backfilling and final grading
- Wetlands Construction
- Final site cleanup

Field activities were performed in accordance with the Consent Decree and construction documents prepared by RETEC and approved by Ecology. Onsite construction activities were supervised by RETEC on behalf of PQC. A detailed description of the field activities is provided in the subsequent sections.

4 Site Preparation

4.1 2002 Remedial Cleanup Action

Site preparation activities performed prior to initiating excavation, backfill and wetland operations included:

- Pre-construction meeting
- Installation of temporary facilities and controls
- Installation of temporary erosion and sedimentation controls (TESC).

Each of these activities is discussed below.

4.1.1 Pre-Construction Meeting

A pre-construction meeting was held at the site on September 6, 2002 prior to site mobilization. Attendees included representatives from PSE, Strider, and RETEC. Topics of discussion included project scope, schedule, communication roles, Strider's anticipated work methods, subcontractors, site-specific Health and Safety Plan and site utilities.

4.1.2 Temporary Facilities and Controls

Temporary facilities and controls provided by Strider included:

- A job site trailer with potable water, electricity, first aid kit, fire extinguisher, and emergency eye wash station within the support zone
- Temporary fence along the south side of Site, gate and gravel pad at the construction entrance to Site
- Temporary dam installation to isolate Baxter Cove from Lake Washington. The temporary dam comprised ecology blocks overlain by 20-mil PVC liner weighted down with sand bags
- A lined decontamination area with drainage and collection system for equipment and workers built within the contamination reduction zone
- A lined contaminated material stockpile area constructed within the exclusion zone.
- Portable restroom and a non-potable water supply within project boundary

Upon initiation of excavation and transport work Strider provided additional controls including:

- Warning signs for construction traffic at the construction entrance/exit to the Site
- Candles and caution tape along the perimeter of active excavations
- Covers provided and secured for stockpile cell and decontamination area at the end of each work day
- Placement of gravel along vehicular access routes within the project area to prevent tracking of mud.

4.1.3 Temporary Erosion and Sedimentation Controls

Silt fencing was installed along the western boundary of the project area. The filter fabric fencing was installed in accordance with the requirements of the Stormwater Management Manual for Western Washington (Ecology, August 2000). Strider and RETEC performed inspections of the silt fences on a regular basis. Strider performed repairs to the silt fence as needed.

A temporary earthen runon control berm was constructed between the Baxter Cove and upland portion of the Site. The temporary berm was constructed of clean on-site soil to a compacted height of approximately 12 inches. Strider performed maintenance of the berm as needed through the duration of the project.

4.2 2004 Remedial Cleanup Action

Site preparation activities performed prior to initiating excavation, backfill and wetland operations included:

- Pre-construction meeting
- Installation of temporary facilities and controls
- Installation of temporary erosion and sedimentation controls (TESC).

Each of these activities is discussed below.

4.2.1 Pre-Construction Meeting

A pre-construction meeting was held at the site on May 11, 2004 prior to site mobilization. Attendees included representatives from PQC, Envirocon and RETEC. Topics of discussion included project scope, schedule,

communication roles, Envirocon's anticipated work methods, subcontractors and site-specific Health and Safety Plan.

4.2.2 Temporary Facilities and Controls

Temporary facilities and controls provided by Envirocon included:

- A job site trailer with potable water, electricity, first aid kit, fire extinguisher, and emergency eye wash station within the support zone
- Temporary fence along the south side of Site, and gravel pad at the construction entrance to Site
- A lined decontamination area with drainage and collection system for equipment and workers built within the contamination reduction zone
- A lined hazardous material stockpile area constructed within the exclusion zone
- A lined non-hazardous impacted material stockpile area constructed within the exclusion zone
- Portable restroom and a non-potable water supply within project boundary
- Caution tape along the perimeter of active excavations
- Warning signs for construction traffic at the construction entrance/exit to the Site
- Covers provided and secured for stockpile cell and decontamination area at the end of each work day

4.2.3 Temporary Erosion and Sedimentation Controls

Silt fencing was installed along the western boundary of the project area. The filter fabric fencing was installed in accordance with the requirements of the Stormwater Management Manual for Western Washington (Ecology, August 2000). Envirocon and RETEC performed inspections of the silt fences on a regular basis. Envirocon performed repairs to the silt fence as needed.

5 Baxter Cove Remediation (2002)

The following activities were associated with the 2002 remediation work performed at the site:

- Site clearing
- Pump-down of Baxter Cove
- Baxter Cove sediment removal
- Water management
- Load-out and disposal of impacted sediment
- Wetlands reconstruction
- Site restoration
- Air monitoring.

Each of these activities is described in detail below. A site map showing the main site features is provided on Figure 5-1.

5.1 Site Clearing

Site clearing work involved removing trees, brush and grass to expose the work areas and to allow access for haul roads and staging areas. Vegetation removed during site clearing was disposed offsite as clean organic waste.

5.2 Pump-down of Baxter Cove

Following installation of a temporary dam in the Baxter Cove area, turtle traps were set by AESI in an effort to trap turtles. The traps were set from September 20 through September 22, 2004. No turtles were found during site inspection and during the process of trapping the turtles. The next step involved pumping surface water from the Cove to the upland water management system. The water management system consisted of four baker tanks (20,000 gallons each) with pumps, piping, valves and fittings to store water removed from the Baxter Cove and discharge the water to the Publicly Owned Treatment Works (POTW) discharge point. Each baker tank was equipped with a sampling port to allow RETEC to obtain water samples to verify that each batch of water satisfied King County/Metro discharge criteria as stated in the Site permit. A flowmeter was installed on the discharge line to record the volume of water discharged to the POTW. Initial pump-down of Baxter Cove started on September 23, 2002.

5.3 Initial Survey

The initial grade (bottom and side) and excavation boundaries of the dewatered Baxter Cove were recorded by the surveyors (Inca Engineering) prior to initiating excavation. The excavation boundaries were verified by RETEC. Initial survey data for Baxter Cove is provided in Appendix C.

5.4 Baxter Cove Excavation

Excavation was performed within the footprint of the Baxter Cove as shown on Figure 5-1. The in-water portions of the work were required to be completed prior October 31 in accordance with the U.S. Corps of Engineers permit for the work. Personnel from Ecology conducted frequent site visits to monitor the progress of work during Baxter Cove excavation. The initial grade was measured and excavation boundaries were marked by surveyors (Inca Engineering) prior to initiating any excavating. The excavation boundaries were verified by RETEC. Excavation was initiated on September 25, 2002 and completed on October 16, 2002. During excavation, dewatering was conducted as needed within the Baxter Cove and water resulting from seepage/rainfall was pumped to the onsite storage tanks for testing and proper discharge. Excavation was accomplished by two methods and was largely dependent on the presence of utilities. A vacuum truck was utilized in the area where a King County-owned sewer forcemain was in the vicinity of the excavation. The excavated soil was placed directly in the stockpile area (depicted on Figure 5-1) when the truck was filled.

A long reach excavator was used to perform the excavation at Baxter Cove. The excavated sediment was placed directly in a dump truck with sealed tailgate and transported to the stockpile area. A total of approximately 810 cubic yards of impacted sediment was removed from the Baxter Cove excavation.

5.4.1 Sampling

Confirmation samples were collected in accordance with the EDR dated May 2002. The purpose of the confirmation samples was to verify that the excavation floor and sidewalls were below site cleanup levels. If results from the confirmation samples exceeded the cleanup level, (100 mg/kg TPAH) additional excavation would be required.

A total of 13 sidewall samples and 11 bottom samples were collected from the Baxter Cove excavation cavity. Confirmation sample locations are identified on Figure 5-1. The samples were collected using a stainless steel spoon and bowl. Sediment sub-samples were collected from the excavator bucket at several locations and all the sub-samples were transferred to a stainless steel mixing bowl. The sub-samples were thoroughly mixed in the bowl to obtain a composite sample for each sidewall and bottom sample prior to transferring sample to the sample jar. The samples were analyzed for TPAHs by EPA Method 8270.

The compliance sampling program used at South Baxter Cove was designed to ensure the entire area of the excavation was characterized and the limits of excavation were sufficient. Samples were collected using a grid system. Bottom and sidewall samples were collected from each grid and submitted for polycyclic aromatic hydrocarbons (PAH) analysis by EPA Method 8270. All

the samples were taken as a composite with the exception of CS-13, which was a grab sample from the sidewall of the small excavation around the force main on the south side of the cove. CS-13 was taken as a grab sample as the area of the sidewall did not warrant taking a composite sample. The composite samples were collected by mixing surface soil at a minimum of three discrete locations chosen at random within the grid. Additional excavation (either deeper or wider depending on if exceedances were on bottom or sidewall samples) and sampling was conducted if the results exceeded the cleanup level of 100 mg/kg total PAH.

The results of all the samples collected are shown in Table 5-1 and sample locations are shown on Figure 5-1. These data demonstrate that the cleanup level is satisfied in accordance with WAC 173-340-740(7) as described in the following paragraphs.

All procedures outlined in WAC 173-340-740(7) "Compliance Monitoring" were followed. The specific requirements and our compliance with the requirements are described below.

1) WAC 173-340-740(7)(c)(iv)(B)

- ► The average TPAH concentration is 30 mg/kg total PAH which is well below the cleanup level of 100 mg/kg total PAH.
- Since the cleanup level is based on the chronic effects posed by PAHs, this true mean concentration satisfies the requirement.

2) WAC 173-340-740(7)(e)(ii)

- ► One of 23 samples exceeds the soil cleanup level (4.3 percent of samples).
- ► This satisfies the requirement that less than 10 percent of the sample concentrations exceed the cleanup level.

3) WAC 173-340-740(7)(e)(i)

- The sample that exceeded the soil cleanup level was CS-15 with a concentration of 176 mg/kg total PAH (1.76 times the cleanup level).
- This satisfies the requirement that no sample shall be greater than two times the cleanup level.

Laboratory analytical results with validation reports are provided in Appendix A.

5.4.2 Final Survey

The vertical and horizontal extent of the Baxter Cove excavation were surveyed after receiving confirmation that sidewall and bottom samples

collected and analyzed from the Cove are below site cleanup levels. Depth of cut survey data for the Baxter Cove excavation is provided in Appendix C.

5.4.3 Water Management

All stormwater and decontamination water generated at the site during the project was collected in onsite storage tanks. The water collected from these sources was stored in separate storage tanks and was not mixed with water pumped from Baxter Cove. Water collected in the storage tanks was sampled by RETEC to satisfy the Metro discharge criteria specified in the site permit. Based on testing, water that satisfied the Metro discharge criteria was discharged to the local POTW discharge point located in the vicinity of the Site. The POTW discharge point is shown on Figure 5-1. A total of approximately 193,188 gallons of water was discharged at the POTW discharge point. Water that exceeded Metro discharge criteria was transported offsite by Emerald Services Inc. of Seattle, Washington for treatment and disposal. Approximately 54,299 gallons of water was hauled offsite by Emerald.

5.5 Loading, Transport, and Disposal of Impacted Material

Impacted sediment from the Baxter Cove was excavated and placed temporarily in the lined stockpile cell (Figure 5-1). Lime was used as an additive to reduce the moisture content of the excavated sediment to an acceptable level (no free liquids) for transport on public roads. Trucks entered the site via the construction access gate and material from the stockpile cell was loaded onto the trucks by a front-end loader. The trucks were decontaminated prior to exiting the site by removing loose soil from the wheels and undercarriage of the truck to avoid spills onto the roadway during transport. The excavated sediment was transported to the Rabanco Transfer Facility located in Seattle. From the transfer station, the material was shipped by rail to Roosevelt Regional Landfill located in Klickitat County (a Subtitle D permitted facility).

All trucks that contained waste materials were weighed at the Rabanco Transfer Station. The number of truckloads transported off site each workday was documented by RETEC and bills of lading were completed for each truck exiting the site. Based on the truck logs and weight tickets, 1,514.85 tons of impacted sediment was transported in 45 trucks. Truck weight tickets are provided in Appendix E.

5.6 Wetlands Reconstruction

Wetlands reconstruction was completed by Terra Dynamics on November 15, 2002. RETEC retained AESI to perform construction oversight of the wetlands reconstruction work. Details pertaining to the wetlands reconstruction are described in the document As-Built Monitoring Report,

Baxter Cove Remediation Project dated January 8, 2003. The document is provided in Appendix F.

5.7 Site Restoration

Upon completing final grading at the site, Strider demobilized equipment, materials, supplies, debris, and temporary facilities on November 15, 2002. Debris from remediation activities included used PPE, disposable sampling equipment and general construction debris. All debris was transported offsite and disposed of by Strider.

Upon completion of wetlands reconstruction, a topographic survey was performed at the site. As-built drawings are provided as Appendix C. Photographs from soil remediation activities at the Site and a photo log are provided on a disc in Appendix I. Field activity logs for the soil remediation project are provided in Appendix J.

5.8 Air Monitoring

Air monitoring at the site was performed during excavation activities by RETEC and Strider in accordance with the site-specific project Health and Safety Plans (HASP). As specified in the HASP, air monitoring was performed continuously during site activities. During the Baxter Cove excavation and other site activities, a MiniRam was used to monitor the particulate concentration in the work area and a photoionization detector (PID) used for detection of organic gases and vapors. All air monitoring results were below action levels for the site.

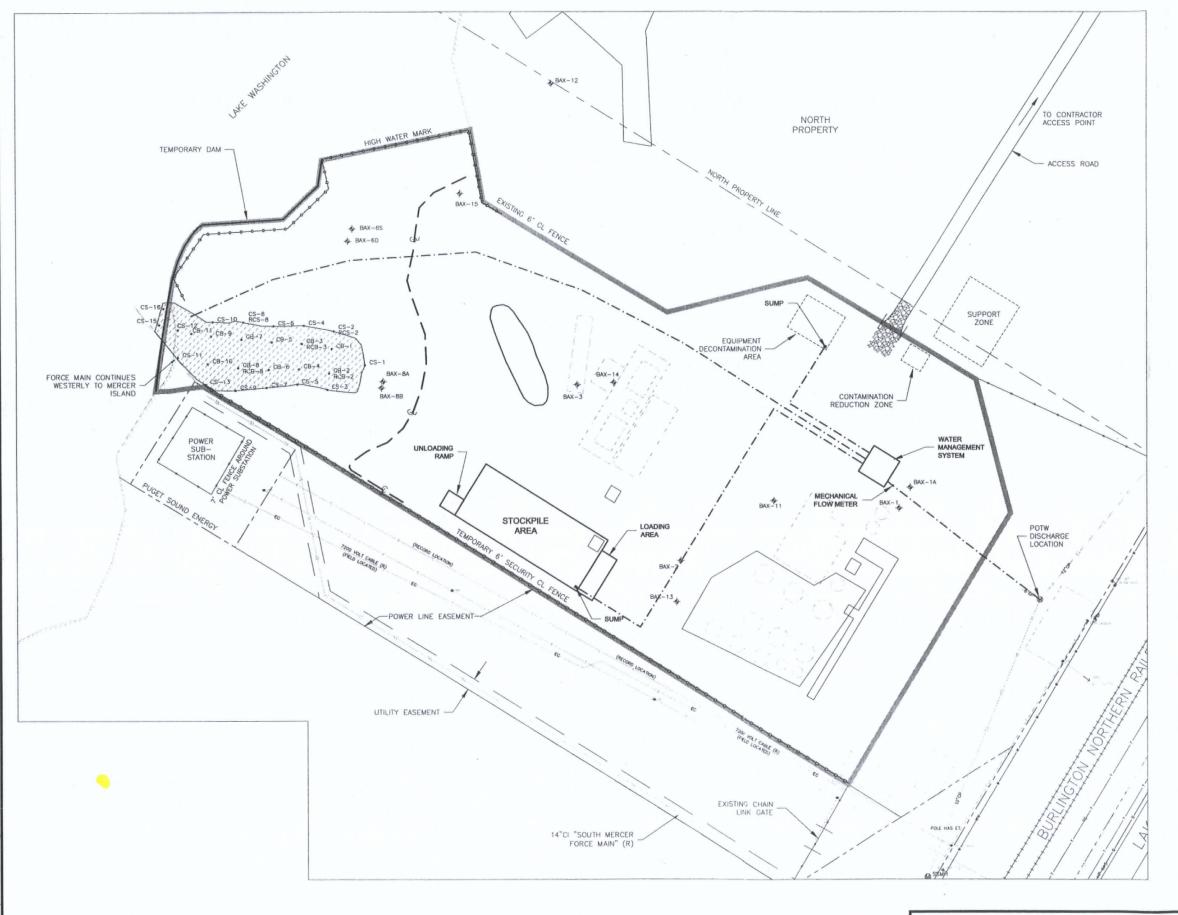
Table 5-1 Post-Excavation Confirmation Sample Data Baxter Cove Cleanup

Initial Sample ID	(mg/Kg)	Action Level (mg/Kg)	Initial TPAH (mg/Kg)	First Resampling ID	First Resampling TPAH (mg/Kg)	Second Resampling ID	Second Resampling TPAH (mg/Kg)
CS-1	100	NA	6.6				
CS-2	100	NA	120.4	RCS-2	185.5	R2CS-2	1.6
CS-3	100	NA	29.6				
CS-4	100	NA	5.1				
CS-5	100	NA	9.9				
CS-6	100	NA	136.4	RCS-6	9.1		
CS-7	100	NA	80.9				
CS-8	100	NA	382.1	RCS-8	16.2		
CS-9	100	NA	7.9				
CS-10	100	NA	35.1				
CS-11	100	NA	103.3				
CS-12	100	NA	3907.8	CS-15	176.6		Ī
CS-13	100	NA	2.5				
CS-16	100	NA	12				
CB-1	100	NA	88.9				
CB-2	100	NA	116.3	RCB-2	12.7		1
CB-3	100	NA	990.5	RCB-3	0.1		
CB-4	100	NA	32.6			-	
CB-5	100	NA	27.7				
CB-6	100	NA	1.6				
CB-7	100	NA	4.4				
CB-8	100	NA	230.4	RCB-8	10.9		
CB-9	100	NA	32.3			•	
CB-10	100	NA	51.7				1
CB-11	100	NA	45.2				

Note:

CS-14 was top 6 inches of western sidewall prior to additional excavation - it is not considered representative CS-16 is the top 6 inches of western sidewall after additional excavation - it is not considered representative

NA - Not Applicable



LEGEND

FORMER STRUCTURE

ACCESS POINT

★ LIGHT POLE

E CATCH BASIN

+ HYDRANT/WATER LINE

UTILITY/ELEC POLE

SANITARY SEWER MANHOLE

ELECTRICAL

____ GAS

SANITARY SEWER

STORM SEWER

TELEPHONE

----w------WATER

___ PUMPED WATER TO COLLECTION SYSTEM

· — · — EXISITNG 6' CL FENCE

CENTERLINE OF TEMPORARY BERM

SILT FENCE

-a--a--a-- TEMPORARY SECURITY FENCE

BAXTER COVE EXCAVATION AREA

♦ BAX-6S EXISTING MONITORING WELL

PROJECT BOUNDARY

• CS-4 SIDEWALL CONFIRMATION SAMPLE

• CB-8 BOTTOM CONFIRMATION SAMPLE

40 0

SCALE IN FEET

FORMER WOOD TREATING SITE CLEANUP-BAXTER COVE - J.H. BAXTER SOUTH PROPERTY JAGCO-16672-800

SITE MAP AND CONFIRMATION SAMPLE LOCATIONS

DATE: 03/10/05 DRWN:

DRWN: A.S./SEA

FIGURE 5-1

RETEC

6 Upland Remediation (2004)

The following activities were associated with the 2004 upland remediation work performed at the site:

- Site clearing
- Site demolition
- Excavation of hazardous materials
- Excavation of non-hazardous impacted materials
- In situ soil stabilization
- Load-out and disposal of impacted materials
- Water management
- Backfill
- Site restoration
- Air monitoring.

Each of these activities is described in detail below. A site map showing the main site features is provided on Figure 6-1.

6.1 Site Clearing

Site clearing work involved removing trees, brush and grass to expose the work areas and to allow access for haul roads and staging areas. Vegetation removed during site clearing was disposed offsite as clean organic waste. Grubbed roots removed from impacted areas were managed as either hazardous or non-hazardous impacted material depending on where they were located.

6.2 Site Demolition

Demolition work was completed at the site during the period August 3, 2004 to August 11, 2004. Demolition activities included demolition of concrete slab and tank foundations in the former tank farm area, removal of concrete walls and debris including railroad ties, metal piping and wooden piling from the former Butt tank area. Figure 6-1 shows site demolition areas. Demolition materials that were not impacted based on visual evidence were temporarily stockpiled onsite and transported offsite to construction demolition landfill or steel recycler. As part of demolition work, soil and water collected in several 55-gallon drums and a metal tank from past site investigations were removed. Water was pumped to onsite storage tanks and soil was moved to the lined stockpile cell. Once the drums and metal tank were cleaned, they were managed as un-impacted construction demolition debris and were recycled. A total of 723 tons of un-impacted construction demolition debris was transported offsite.

6.3 Initial Survey

The initial grade and excavation boundaries of the hazardous and non-hazardous impacted material excavation areas were recorded by the surveyors (PLS) prior to initiating excavation. The excavation boundaries were verified by RETEC. Initial survey data for excavation areas is provided in Appendix D.

6.4 Hazardous Waste Excavation

Hazardous waste (K001 listed waste) excavation was performed in Area A (Baxter Lagoon) as shown on Figure 6-1. Excavation extended to the bottom of the lagoon sludge, approximately 2 to 3 feet below the bottom of the lagoon. Excavation was initiated on August 13, 2004 and completed on August 18, 2004. Hydrated lime was mixed with the lagoon sludge to lower its water content and make it suitable for transport. The excavated soil was placed directly in the hazardous material stockpile area (depicted on Figure 6-1).

A long reach excavator (John Deere 230) was used to perform the excavation. Approximately 120 bank cubic yards of hazardous material was removed from the Baxter Lagoon excavation. Confirmation samples were not required to be collected from the Baxter Lagoon excavation cavity.

During excavation activities, a 10-inch corrugated metal pipe was discovered in the Baxter Lagoon area. The pipe appeared to traverse in the northwesterly direction from the lagoon toward the wetlands. Details regarding pipe removal, residuals sampling and future management of a section of the pipe left in-place are documented in a memorandum dated December 1, 2004 and submitted to Ecology. The memorandum was reviewed and approved by Ecology via e-mail dated December 6, 2004. A copy of the memorandum is included in Appendix K.

6.5 Non-Hazardous Impacted Material Excavation

Non-hazardous impacted material excavation was performed in the two areas (Area C and Area D) identified on Figure 6-1. Excavation extended to the water table which was encountered at approximately 6 feet below ground surface. Excavation was initiated on August 12, 2004 and completed on September 14, 2004. The excavated soil was placed directly in the non-hazardous material stockpile area (depicted on Figure 6-1). Approximately 1,660 bank cubic yards of non-hazardous impacted material was removed from the two excavations.

Impacted debris (concrete and railroad ties) encountered during excavation was transported offsite with the non-hazardous impacted material. Confirmation samples were collected in accordance with the EDR dated May

2002. The purpose of the confirmation samples was to verify that the excavation floor and sidewalls were not impacted after removal of impacted material. If results from the confirmation samples exceeded the action level, (1,000 mg/kg TPAH) additional excavation would be required.

A total of 23 sidewall samples and 8 bottom samples were collected from the two excavation areas. Confirmation samples were collected as composite samples and are identified on Figure 6-1. The samples were collected using a stainless steel spoon and bowl. Soil sub-samples were collected from the excavator bucket at several locations and all the sub-samples were transferred to a stainless steel mixing bowl. The sub-samples were thoroughly mixed in the bowl to obtain a composite sample for each sidewall and bottom sample prior to transferring sample to the sample jar. The samples were analyzed for TPAHs by EPA Method 8270.

The post-excavation confirmation sample results for the two non-hazardous impacted material excavation areas are shown in Table 6-1. As shown in the table, none of the sample locations required additional excavation as the confirmation samples were all below site action levels demonstrating that the area meets site cleanup criteria set forth in 173-340-740(7) "Compliance Monitoring." Laboratory analytical results with validation reports are provided in Appendix B.

6.6 Final Survey

The vertical and horizontal extent of the Baxter Lagoon excavation and the two non-hazardous impacted material excavations were surveyed after receiving confirmation that sidewall and bottom samples collected and analyzed were below site action levels. Depth of cut survey data for the site excavations is provided in Appendix D.

6.7 In Situ Soil Stabilization

ISS was performed in two areas (Area A and Area B) as shown on Figure 6-1. Hazardous material excavation was completed in Area A prior to initiating ISS in that area. ISS was completed during the period August 30, 2004 to October 12, 2004. Approximately 11,680 bank cubic yards of impacted soil was treated by ISS. Area A was stabilized from the ground surface to approximately 20 feet below ground surface, while the depth of stabilization in Area B varied from 18 to 24 feet below ground surface. The two performance criteria set forth to demonstrate immobilization of the subsurface contaminants included a maximum permeability of the ISS soil of 1x10⁻⁵ cm/sec, and a soil unconfined compressive strength between 10 pounds per square inch (psi) and 50 psi. Both criteria were to be measured at 28 days after the columns were mixed. Permeability is the primary criteria related to immobilization of the site contaminants. The strength criteria does not relate to immobilization of site contaminants and was instituted to aid future development of the site.

ISS treatment boundary and column location was surveyed in the field by Envirocon and verified by RETEC prior to starting ISS work. ISS was completed using a Delmag soil mixing rig equipped with an 8.5 feet diameter auger. The soil mixing rig was mounted on a CAT 350 excavator. Reagent mixture (cement bentonite slurry) was injected into the soil through ports on the auger. Soil mixing was accomplished by rotating the auger and injecting the reagent in a vertical column to the design depth. A total of 337 vertical columns covered the footprint of the two ISS areas. ISS columns were overlapped in order to ensure that the entire footprint is stabilized.

The final mix design for the project was developed in two phases. The first phase consisted of a laboratory study initiated by Envirocon immediately after they were chosen to complete the work on the site. Representative soil samples were collected from the site and mixed with varying amounts of cement and bentonite. The results of the laboratory tests were used to develop the recommended mix design for a series of test columns (the second phase of mix design) on the site using the production mixing equipment. Four test columns were completed on August 30, 2004. Rather than wait the full 28 day period for the test results to become available for the test columns, it was decided to proceed with production columns using a mix design of 30 percent cement and 1 percent bentonite by soil dry weight, a mix design that had been shown to safely meet the permeability performance criteria. Laboratory test results became available for the initial test columns at the point where the contractor had completed about half of the production columns using the 30 percent cement, 1 percent bentonite mix. It was decided to complete the final test columns using a mix design of 25 percent cement and one percent bentonite based on the test column mix results.

Envirocon collected soil samples from the treated ISS columns to verify that the stabilized soil mass meets the performance criteria specified in the EDR. Envirocon was required to sample one production column per day of production, no matter how much production had occurred during the day. One sample was submitted for permeability and strength testing for each day's production. In some cases, more than one sample was submitted for testing. ISS column testing results are provided in Appendix H. Test results demonstrate that the permeability performance criteria was achieved for each day of production. A single permeability sample result from column 60 in area B was above the permeability performance criteria. As noted from Appendix H, three samples (top, middle and bottom) were collected from column 60. The middle sample failed to meet the performance criteria while the top and bottom samples met the criteria for permeability. Overall RETEC believes that Column 60 meets the performance criteria for permeability as the average permeability of the three samples collected is 9.93x10⁻⁶ which meets the performance criteria for the Site.

A portion of the residual material (swell) resulting from ISS operations was used to grade the disturbed areas within the ISS footprint. The remaining

swell material was temporarily stockpiled onsite and RETEC collected samples for characterization and disposal. Based on analytical results, the swell material was transported offsite as non-hazardous impacted material.

6.8 Loading, Transport, and Disposal of Impacted Material

Hazardous material and non-hazardous impacted material excavated from the site was placed temporarily in separate lined stockpile cells (Figure 6-1). Trucks entered the site via the construction access gate and material from the stockpile cell was loaded onto the trucks by the front-end loader. The trucks were decontaminated prior to exiting the site by removing loose soil from the wheels and undercarriage of the truck to avoid spills onto the roadway during transport. Hazardous material was transported to the Clean Harbors Aragonite Facility in Utah for treatment and disposal. Based on the truck logs and weight tickets, 101 tons of hazardous material was transported in 11 trucks. Certificate of disposal for the hazardous material is provided in Appendix E.

The non-hazardous impacted material was transported to the Rabanco Transfer Facility located in Seattle. From the transfer station, the material was shipped by rail to Roosevelt Regional Landfill located in Klickitat County (a Subtitle D permitted facility). All trucks that contained waste materials were weighed at the Rabanco Transfer Station. The number of truckloads transported off site each workday was documented by RETEC and bill of ladings were completed for each truck exiting the site. Based on the weight tickets, 4,421 tons of impacted upland soil and swell material was transported offsite. Documentation from Rabanco for non-hazardous impacted material is provided in Appendix E.

6.9 Water Management

All stormwater, groundwater and decontamination water generated at the site during the project was collected in onsite storage tanks. The water collected from these sources was stored temporarily in onsite storage tanks. Water collected in the storage tanks was sampled by RETEC for characterization and disposal. A total of approximately 120,000 gallons of water was transported offsite by Philips Services Corp. (Philips) of Kent, Washington for treatment and disposal.

6.10 Backfill

Soil backfill was imported from Miles Sand and Gravel Company located in Auburn, Washington. The backfill material met the specification requirement for grain size and chemical parameters as specified in the construction documents. Backfill material information from the material supplier is provided in Appendix G. A total of 4,370 tons of fill material was imported to the site.

Prior to engaging in any backfilling operations in the Area C and Area D, RETEC reviewed the confirmational sampling results for those areas. Upon obtaining approval from RETEC, Envirocon placed the imported backfill material in loose lifts not exceeding 12-inches and compacted it using compaction equipment to a firm and non-yielding condition. Upon compaction, the finished surface was shaped for general site grading.

6.11 Site Restoration

Upon completing final grading at the site, Envirocon demobilized equipment, materials, supplies, debris, and temporary facilities on October 15, 2004. Debris from remediation activities included used PPE, disposable sampling equipment and general construction debris. All debris was transported offsite and disposed of by Envirocon.

Upon completion of site grading, a topographic survey was performed at the site. As-built drawings are provided as Appendix D. Approximately 4 acres of disturbed site areas was seeded and fertilized. Photographs from soil remediation activities at the Site and a photo log are provided on a disc in Appendix I. Field activity logs for the soil remediation project are provided in Appendix J.

6.12 Air Monitoring

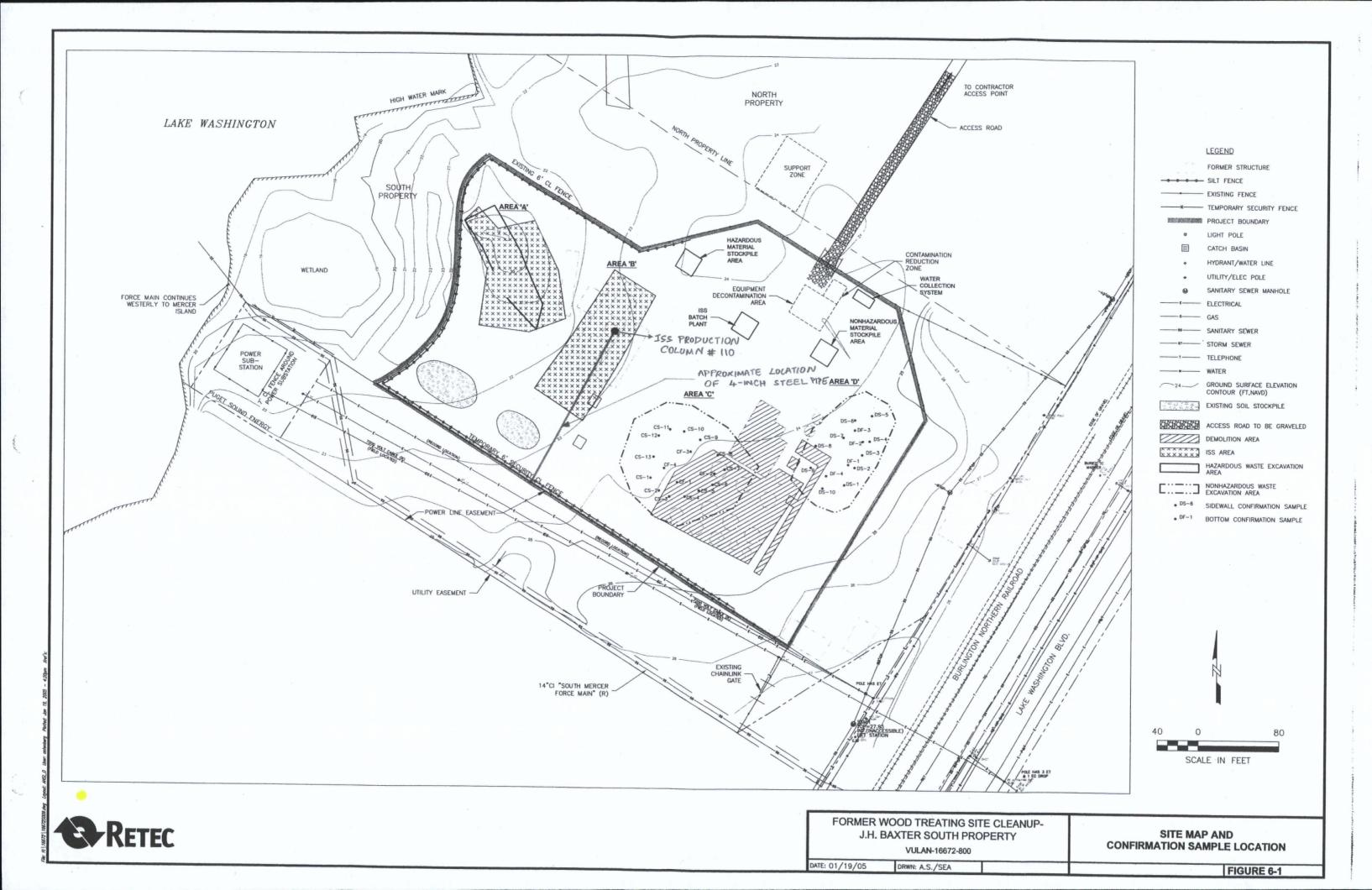
Air monitoring at the site was performed during excavation activities by RETEC and Envirocon in accordance with the site-specific project Health and Safety Plans (HASP). As specified in the HASP, air monitoring was performed continuously during site activities. During ISS, excavation and other site activities, a MiniRam was used to monitor the particulate concentration in the work area and a photoionization detector (PID) used for detection of organic gases and vapors. All air monitoring results were below action levels for the site.

Table 6-1 Post-Excavation Confirmation Sample Data
Baxter Uplands Cleanup

	Sample Matrix	Soil		
	Chemical Compound	TPAH		
	Cleanup Level (1)	784		
	Action Level	1,000		
	Unit	mg/kg		
Sample ID	Sample Date			
CS1-091404-5	9/14/2004	3.135		
CS2-091404-4.5	9/14/2004	3.135		
CS3-091404-5	9/14/2004	24.682		
CS4-091404-5	9/14/2004	3.135		
CS5-091404-5	9/14/2004	3.135		
CS6-091404-5	9/14/2004	3.135		
CS7-091404-4.5	9/14/2004	3.135		
CS8-091404-4.5	9/14/2004	3.135		
CS9-091404-4.5	9/14/2004	3.135		
CS10-091404-4.5	9/14/2004	3.135		
CS11-091404-4.5	9/14/2004	3.135		
CS12-091404-5	9/14/2004	21.953		
CS13-091404-4.5	9/14/2004	4.26		
CF1-091404-GW	9/14/2004	17.324		
CF2-091404-GW	9/14/2004	55.699		
CF3-091404-GW	9/14/2004	3.135		
CF4-091404-GW	9/14/2004	4.295		
DS1-082004-5	8/20/2004	3.135		
DS2-08200 4-5	8/20/2004	3.135		
DS3-082004-4	8/20/2004	3.135		
DS4-082004-4.5	8/20/2004	3.135		
DS5-082004-3.5	8/20/2004	22.525		
DS6-082004-4	8/20/2004	3.135		
DS7-082004-4	8/20/2004	3.75		
DS8-082004-3	8/20/2004	12.066		
DS9-0820 04-3	8/20/2004	3.135		
DS10-082004-4	8/20/2004	3.135		
DF1-082004-GW	8/20/2004	3.135		
DF2-082004-GW	8/20/2004	3.135		
DF3-082004-GW	8/20/2004	3.31		
DF4-082004-GW	8/20/2004	4.341		

Notes

¹ Soil cleanup level applicable for the site is the MTCA Method B Direct Contact criteria and protection of groundwater criteria referenced in the CAP



7 Summary and Conclusions

7.1 Summary Statements

Site remediation for the capital portions of the South Baxter project was completed between September 2002 and October 2004. The site work source remediation included DNAPL removal, soil excavation and disposal or treatment, and ISS. Mitigation work on the site included construction of the forested wetland along the lake shore. In our opinion, the South Baxter cleanup action has been constructed in substantial compliance with the intended design as presented in the plans and specifications and related documents.

As specified in the CAP, a pre-certification inspection is required as part of the approval process for Ecology to issue the Partial Certificate of Completion for the Site. PQC will contact Ecology within 90 days after submitting this report, to schedule and conduct a pre-certification inspection at the Site to satisfy the CAP requirements toward obtaining the Partial Certificate of Completion.

7.2 Certification of Completion

The RETEC Group, Inc. certifies that the cleanup action requirement at South Baxter Property - Renton, Washington has been performed in a manner that is protective of human health and the environment and compatible with future use of the site. The cleanup action has been completed in substantial compliance with the Consent Decree No. 00-2-11779-5 KNT with Ecology and the CAP.

7.3 Future Site Activities

The remaining site activities to be completed at the site as part of the remedial action include capping and groundwater monitoring. Groundwater monitoring program will be initiated at the South Baxter Property in 2005 in accordance with the details specified in the CAP. Capping will be completed on both the North and South Baxter Properties in conjunction with the site development of these properties as required in the consent decree for the site.

8 References

RETEC, 2002. Engineering Design Report, J.H Baxter South Property. May 28, 2002.

RETEC, 2002. Baxter Cove Cleanup, Bid Specifications. July 29, 2002

RETEC, 2004. Excavation and In Situ Solidification Specifications. February 23, 2004

Appendix A

Laboratory Analytical Results – Baxter Cove Excavation Confirmation Samples

RETEC ANALYTICAL DATA VERIFICATION CHECKLIST

Project Name: J. H. Baxter S. Property	Laboratory: North Creek Analytical, Inc., Bothell, WA		
Project Reference: J. H. Baxter S. Property	Sample Matrix: Soil		
RETEC Project No.: VULAN-16672-700	Sample Start Date: 10/03/2002		
Verified By/Date Verified: Sue Milcan 01/25/2005 (completed)	Sample End Date: 09/14/2004		

Samples Analyzed:

Matrix	Sample ID	Sample Date	Sample Time	Lab SDG	Lab ID
Soil	CS-1-1002	10/3/2002	10:20	B2J0104	B2J0104-01
Soil	CS-2-1002	10/3/2002	12:40	B2J0104	B2J0104-02
Soil	CS-3-1002	10/3/2002	12:15	B2J0104	B2J0104-03
Soil	CS-4-1002	10/3/2002	12:50	B2J0104	B2J0104-04
Soil	CS-5-1002	10/3/2002	12:30	B2J0104	B2J0104-05
Soil	CB-1-1002	10/3/2002	11:20	B2J0104	B2J0104-06
Soil	CB-2-1002	10/3/2002	12:00	B2J0104	B2J0104-07
Soil	CB-3-1002	10/3/2002	11:40	B2J0104	B2J0104-08
Soil	CB-4-1002	10/3/2002	11:50	B2J0104	B2J0104-09
Soil	CS-6-1002	10/5/2002	10:10	B2J0150	B2J0150-01
Soil	CS-7-1002	10/5/2002	08:45	B2J0150	B2J0150-02
Soil	CS-8-1002	10/5/2002	10:20	B2J0150	B2J0150-03
Soil	CS-9-1002	10/5/2002	09:50	B2J0150	B2J0150-04
Soil	CB-5-1002	10/5/2002	09:00	B2J0150	B2J0150-05
Soil	CB-6-1002	10/5/2002	08:15	B2J0150	B2J0150-06
Soil	CB-7-1002	10/5/2002	10:05	B2J0150	B2J0150-07
Soil	CB-8-1002	10/5/2002	09:25	B2J0150	B2J0150-08
Soil	CB-9-1002	10/5/2002	11:10	B2J0150	B2J0150-09
Soil	CB-10-1002	10/5/2002	09:35	B2J0150	B2J0150-10
Soil	HA-1-1002	10/9/2002	09:45	B2J0232	B2J0232-01
Soil	CS-10-1002	10/9/2002	10:10	B2J0232	B2J0232-02
Soil	CS-12-1002	10/9/2002	10:10	B2J0232	B2J0232-03
Soil	CB-11-1002	10/9/2002	11:40	B2J0232	B2J0232-04
Soil	CS-11-1002	10/9/2002	13:00	B2J0232	B2J0232-05
Soil	CS-13-1002	10/9/2002	13:15	B2J0232	B2J0232-06
Soil	RCS-2-1002	10/11/2002	09:30	B2J0312	B2J0312-03
Soil	RCB-2-1002	10/11/2002	09:45	B2J0312	B2J0312-04
Soil	RCB-3-1002	10/11/2002	13:30	B2J0312	B2J0312-05
Soil	RCB-8-1002	10/11/2002	12:20	B2J0312	B2J0312-06
Soil	RCS-8-1002	10/11/2002	14:15	B2J0312	B2J0312-07

Continued on next page

RETEC ANALYTICAL DATA VERIFICATION CHECKLIST (Continued)

Samples Analyzed: (cont.)

Matrix	Sample ID	Sample Date	Sample Time	Lab SDG	Lab ID
Soil	DS1082004-5'	8/20/2004	14:00	B4H0566	B4H0566-01
Soil	DS2082004-5'	8/20/2004	14:05	B4H0566	B4H0566-02
Soil	DS3082004-4'	8/20/2004	14:10	B4H0566	B4H0566-03
Soil	DS4082004-4.5'	8/20/2004	14:15	B4H0566	B4H0566-04
Soil	DS5082004-3.5'	8/20/2004	14:20	B4H0566	B4H0566-05
Soil	DS6082004-4'	8/20/2004	14:25	B4H0566	B4H0566-06
Soil	DS7082004-4'	8/20/2004	14:30	B4H0566	B4H0566-07
Soil	DS8082004-3'	8/20/2004	14:35	B4H0566	B4H0566-08
Soil	DS9082004-3'	8/20/2004	14:40	B4H0566	B4H0566-09
Soil	DS10082004-4'	8/20/2004	14:45	B4H0566	B4H0566-10
Soil	DF1082004 GW	8/20/2004	14:50	B4H0566	B4H0566-11
Soil	DF2082004 GW	8/20/2004	14:55	B4H0566	B4H0566-12
Soil	DF3082004 GW	8/20/2004	15:00	B4H0566	B4H0566-13
Soil	DF4082004 GW	8/20/2004	15:05	B4H0566	B4H0566-14
Soil	CS1091404-5'	9/14/2004	08:55	B4I0323	B4I0323-01
Soil	CS2091404-4.5'	9/14/2004	09:00	B4I0323	B4I0323-02
Soil	CS3091404-5'	9/14/2004	09:03	B4I0323	B4I0323-03
Soil	CS4091404-5'	9/14/2004	09:09	B4I0323	B4I0323-04
Soil	CS5091404-5'	9/14/2004	09:11	B4I0323	B4I0323-05
Soil	CS6091404-5'	9/14/2004	09:16	B4I0323	B4I0323-06
Soil	CS7091404-4.5'	9/14/2004	09:25	B4I0323	B4I0323-07
Soil	CS8091404-4.5'	9/14/2004	09:30	B4I0323	B4I0323-08
Soil	CS9091404-4.5'	9/14/2004	09:34	B4I0323	B4I0323-09
Soil	CS10091404-4.5'	9/14/2004	09:36	B4I0323	B4I0323-10
Soil	CS11091404-4.5'	9/14/2004	13:52	B4I0323	B4I0323-11
Soil	CS12091404-5'	9/14/2004	13:56	B4I0323	B410323-12
Soil	CS1309140-4.5'	9/14/2004	14:00	B4I0323	B4I0323-13
Soil	CF109140-GW	9/14/2004	09:12	B4I0323	B4I0323-14
Soil	CF209140-GW	9/14/2004	09:30	B4I0323	B4I0323-15
Soil	CF309140-GW	9/14/2004	09:45	B410323	B4I0323-16
Soil .	CF409140-GW	9/14/2004	09:55	B4I0323	B4I0323-17

Parameters Verified: Polynuclear Aromatic Hydrocarbons (PAHs) by GC/MS method 8270C.

Laboratory Project IDs: B2J0104, B2J0150, B2J0232, B2J0312, B4H0566, B4I0323.

PRECISION, ACCURACY, METHOD COM	PLIAN	CE, Al	ID COM	IPLE	TENESS	ASSES	SMENT	
Precision:	X	Acce	ptable		Unacce	eptable	SM	Initials
Comments: Precision is the measure of variability of determined for this sampling round since field dupli precision was determined by examination of laborat precision was done using the Relative Percent Differer duplicate samples divided by the mean and express limits. No data require qualification based on this acceptable. Precision measurements are reviewed in	cate s ory du nce (Ri ed as measi	ample: plicate PD). T a perc uremer	s were results. he RPD ent. RF at, and	not so Eval is def PD lim	ubmitted luation of fined as nits refer	I for and of labora the diffe renced E	alysis. La itory dupli rence bet EPA publi	cates for ween two shed QC
Accuracy:	Х	l	ptable		Unacce	<u></u>	SM	Initials
Comments: Field accuracy, a measure of the sampling equipment rinse, and/or trip blank samples were not accuracy, a measure of the system bias, was meast control sample duplicate (LCS, LCSD), matrix spike monitoring compounds (surrogate) percent recoveries performance. MS and MSD %Rs provided inform compound or surrogate recoveries measured system %Rs were compared to EPA published and/or laboral qualification based on surrogate or matrix spike %Rs acceptable since a majority of the data is unqualificative reviewed in items 12, 14, 15, 16, and 20.	subminured by and no (%Rs antion perforation attory continue) (see	ited for by evaluatrix solution. LCS on sarrmance control items 1	analysiculating lating	s or eaborate plicate SD % atrix i fficien QC ii 6), ov	else were tory con e (MS, I 6Rs dem interfere cy during imits. A verall ove	e not red trol sam MSD), a nonstrate nces. S g organi Ithough erall labe	quired. Li ple and li nd organi ed overall System n c analysis some dat oratory ac	aboratory aboratory c system analytical nonitoring s. These a require ccuracy is
Method Compliance:	x	Acce	ptable		Unacc	eptable	SM	Initials
Comments: For this data set, method compliance we holding time, and laboratory blanks against method si standard areas were also considered, even though laboratory comments was not provided in this level qualification based on low internal standard area (see the data submitted, since a majority of the data is measurements are reviewed in items 4, 6, 8, 11, 13, 1	pecifie suppo el of d item unqua	d requi rting do lata pa 19), ov alified :	rements ocument ockage serall me and no	i. Lat tation submi thod o	ooratory to fully ittal. Al complian	flags ind evaluate though s ice is ac	licating love the impassion de the impassion de technique	w internal in act of the act of the act of the act of the act on
Completeness:	X	Acce	eptable		Unacc	eptable	SM	Initials
Comments: Completeness is the overall ratio of the n valid analyses. Completeness goals are set at 90-100 of custody records, laboratory analytical methods, and the laboratory sample data results and QC summan qualification. Since no data were rejected or missing acceptable.	o%. Do d detect repor , comp	etermir ction lim rts. All lietenes	ation of nits. Co of the ss of the	comp mplete submi data	oleteness eness al itted data	s include so includ a were l	ed a reviev ded 100% useable, s	review of come with
VERIFICATION	ON CR	ITERIA	CHEC	K				
Data verification qualifiers used in this review:								
J – estimated concentration								
UJ – undetected, reporting limit is estimated								
Refer to the Table of Qualified Analytical Results qualified (attached at the end of this Checklist).	for a	listing	of the	samp	les, ana	ilytes, a	nd conce	ntrations
Did the laboratory identify any non-conformances related to the analytical results?		X	Yes			No	SM	Initials
Explanation by laboratory: Laboratory case narration assigned laboratory flags were evaluated during the control of the design o	lata re	view pr	ocess.					ever, any

2. Were sample Chain-of-Custody forms complete?		Yes	Х	No	SM	Initials
Comments: A COC record was not received for sam required for this level of review other than to note to samples were delivered directly from the field to the latter and custody was maintained as evidenced by field and	his observa poratory. C	tion. For	the 10/11/ ds from field	2002 and to labora	l all 2004 tory were o	samples, complete,
3. Were all the analyses requested for the samples on the COCs completed by the laboratory?	X	Yes		No	SM	Initials
Comments: PAH results were submitted for those 200 the data validator. For the 10/11/2002 and all 2004 original COCs were completed by the laboratory.						
4. Were samples received in good condition and at the appropriate temperature?	X	Yes		No	SM	Initials
Comments: No problems with sample condition with 10/09/2002 samples. No further information on same action is required for this level of data review other is samples were received intact and in good condition. So at the close of the sampling event each day. The cooperation of the signed COC record. Although condition to condition due to sample shipping. No action is required.	aple receipt than to note Samples we oler tempera oler receipt ction is requ	is provide this obside this obside the delivere ture for the temperate tired since	ed for the tervation. The directly fine 10/11/20/ures for the end opportu	hese 200 The 10/11 rom the fi 02 sample 2004 san Inity exist	2 samples /2002 and eld to the les was con hiples were ed for com	s, and no all 2004 aboratory mpliant at elevated promised
5. Were the requested analytical methods in compliance with WP/QAPP, permit, or COC?	Х	Yes	_	No	SM	Initials
Comments: Reported methods were in compliance wit	h COC reco	ords or are	applicable	for the re	quested ar	nalytes.
6. Were detection limits in accordance with WP/QAPP, permit, or method?	X	Yes		No	SM	initials
Comments: Reporting limits (RLs) are achievable by diluted levels due to high target analyte concentration appropriately. Additionally, the RLs for soil results accommodate the percent moisture content.	or matrix int	erference	. The RLs f	for diluted	results we	ere raised
7. Do the laboratory reports include only those constituents requested to be reported for a specific analytical method?	х	Yes		No	SM	Initials
Comments: Only the requested target analytes were re	eported.					
8. Were sample holding times met?	Х	Yes		No	SM	Initials
Comments: Extraction and analytical holding times we	re met for a	l samples	i.			
9. Were correct concentration units reported?	X	Yes		No	SM	Initials
Comments: Correct concentration units were reported	Soil PAH	results are	e reported a	is mg/kg (dry weight	(ppm).
10. Were the reporting requirements for flagged data met?	Х	Yes		No	SM	Initials
Comments: Data validation qualifiers override any assi	gned labora	tory data	flags.			,
11. Were laboratory blank samples free of target analyte contamination?	Х	Yes		No	SM	Initials
Comments: The reported laboratory blanks were free of	of target ana	lyte conta	mination.			

				· · · · · · · · · · · · · · · · · · ·		
12. Were trip blank, field blank, and/or equipment rinse blank samples free of target analyte contamination?		Yes		No	SM	Initials
Comments: Not applicable - Field blank and equipme blank samples are not applicable to the method. Field	nt rinse bla accuracy w	nk sample as not eva	es were not aluated.	submitte	d for analy	sis. Trip
13. Were instrument calibrations within method or data validation control limits?		Yes		No	SM	Initials
Comments: Not applicable for this level of data ver analytical laboratory reports and were therefore not inc	rification — cluded in this	Instrumen data revi	t calibratior iew.	n data w	ere not su	ipplied in
14. Were surrogate recoveries within control limits?		Yes	X	No	SM	Initials
Comments: Surrogate %Rs were within the stated la associated QC samples, except as noted.						
SDG B2J0104: The surrogate %R for sample CS-1- at 23.3%. This sample was not reanalyzed. All P estimated concentrations, possibly biased low, du	AH results e to uncon	for this s firmed ma	sample requatrix interfe	uire J qu erence.	aimers to	muicate
SDG B2J0150: Surrogate %Rs were low in the initial at 1002, CB-9-0102, and CB-10-1002. These analyses %R for all samples. Consequently, the reanalysis of without qualification. No further action is required other	were follow these samp er than to no	ed by rea les should te this obs	nalysis that be designa servation.	reported ated as the	adequate e reportab	le results,
Refer to the Table of Qualified Analytical Results qualified (attached at the end of this Checklist).	for a listing	g of the s	amples, an	alytes, a	nd conce	ntrations
15. Were laboratory control sample recoveries within control limits?	Х	Yes		No	SM	Initials
Comments: Supplied LCS and LCSD %Rs were with target analytes, and were also within laboratory control	in organic d ol charted Q	ata valida C limits as	tion QC limi allowed for	ts of 70-1 SW-846	30% for all organic m	I reported ethods.
16. Were matrix spike recoveries within control limits?		Yes	X	No	SM	Initials
Comments: Reported MS and MSD %Rs for targe charted QC limits for the reported target analytes, or exceeded four times the spike amount, except as note	were not a ed.	pplicable	due to nativ	e sample	concentra	ations that
SDG B2J0312: The MS/MSD %Rs for indeno(123-013.7% in the spiked analysis of sample RCS-2-1 RCS-2-1002 requires a J qualifier to indicate a confirmed matrix interference.	002. The I n estimate	ndeno(12 d concer	a-ca)pyren ntration, po	e result ossibly b	iased lov	v, due to
Refer to the Table of Qualified Analytical Results qualified (attached at the end of this Checklist).	for a listin	g of the s	samples, ar	nalytes, a	and conce	ntrations
17. Were duplicate RPDs and/or serial dilution %Ds within control limits?	<u> </u>	Yes	X	No	SM	Initials
Comments: Laboratory RPDs for target analytes i validation and laboratory control charted QC limits for	the reporte	d target ar	nalytes, exc	ept as no	ea.	
SDG B2J0312: The RPD for indeno(123-cd)pyrene vanalysis of sample RCS-2-1002 due to variability be source sample RCS-2-1002 was already qualified by	tween spik	e %Rs. S	Since the in:	deno(123	-ca)pyrene	e result for

other than to note this observation.

18. Were organic system performance criteria met?			Yes		No	SM	Initials
Comments: Not applicable for this level of data verifica analytical laboratory reports and was therefore not inclu					ance data	was not s	upplied in
19. Were internal standards within method criteria for GC/MS sample analyses?			Yes		No	SM	Initials
Comments: Not applicable for this level of data verifical laboratory reports and was therefore not include the laboratory as noted below.							
Laboratory SDG B4H0566: Assigned laboratory fla standard area in sample DF3082004 GW. Matrix is confirmed in reanalysis. The degree of noncontact Associated target analytes in sample DF3082004 Cestimated reporting limits due to confirmed matrix	nterfe omplia SW red	rence nce quire	e affectir was no UJ qual	ng the inter t provided	rnal stand	dard reco	very was y report.
Refer to the Table of Qualified Analytical Results to qualified (attached at the end of this Checklist).	for a li	sting	of the s	samples, ar	nalytes, a	nd conce	ntrations
20. Were inorganic system performance criteria met?			Yes		No	SM	Initials
Comments: Not applicable for the reported method or t	for this	level	of data v	erification.			
21. Were blind field duplicates collected? If so, discuss the precision (RPD) of the results.	X		Yes		No	SM	Initials
Duplicate Sample No.		Prin	nary Sam	ple No.			
Comments: Not applicable - Field duplicate samples precision was not evaluated.	s were	not	submitte	d for analy	sis with t	his data s	et. Field
22. Were qualitative/quantitative criteria for organic target analyte identification met?			Yes		No	SM	Initials
Comments: Not applicable for this level of data verific not supplied in analytical laboratory reports and were to						hromatogr	ams were
23. Were 100% of the EDD concentrations and reporting limits compared to the hardcopy data reports?			Yes		No	SM	Initials
Comments: Not applicable – EDDs were not either not	submi	tted f	or this da	ta set, or we	ere not de	signated fo	or review.
24. General Comments:							
Data were evaluated based on validation criteria set Functional Guidelines for Organic Data Review, documents applied to the reported methodology.							
Refer to the Table of Qualified Analytical Results qualified (attached at the end of this Checklist).	for a li	sting	of the s	samples, ar	nalytes, a	nd conce	ntrations

Table of Qualified Analytical Results J. H. Baxter S. Property Soil Samples

North Creek Analytical, Inc. Reports (as listed)
October 2002 – September 2004

Sample ID	Matrix	Lab SDG	Method	Analyte	Concentration	Qualifier	Reason Code
CS-1-1002	Soil	B2J0104	8270C	Acenaphthene	0.446 mg/kg	J	SUR
CS-1-1002	Soil	B2J0104	8270C	Acenaphthylene	0.0124 mg/kg	J	SUR
CS-1-1002	Soil	B2J0104	8270C	Anthracene	0.440 mg/kg	J	SUR
CS-1-1002 CS-1-1002	Soil	B2J0104	8270C	Benzo (a) anthracene	0.252 mg/kg	J	SUR
CS-1-1002	Soil	B2J0104	8270C	Benzo (a) pyrene	0.139 mg/kg	J	SUR
CS-1-1002	Soil	B2J0104	8270C	Benzo (b) fluoranthene	0.148 mg/kg	J	SUR
CS-1-1002	Soil	B2J0104	8270C	Benzo (ghi) perylene	0.0794 mg/kg	J	SUR
CS-1-1002	Soil	B2J0104	8270C	Benzo (k) fluoranthene	0.116 mg/kg	J	SUR
CS-1-1002	Soil	B2J0104	8270C	Chrysene	0.319 mg/kg	J	SUR
CS-1-1002	Soil	B2J0104	8270C	Dibenz (a,h) anthracene	0.0309 mg/kg	J	SUR
CS-1-1002	Soil	B2J0104	8270C	Fluoranthene	1.29 mg/kg	J .	SUR ,
CS-1-1002	Soil	B2J0104	8270C	Fluorene	0.527 mg/kg	J	SUR
CS-1-1002	Soil	B2J0104	8270C	Indeno (1,2,3-cd) pyrene	0.0671 mg/kg	J	SUR
CS-1-1002	Soil	B2J0104	8270C	Naphthalene	0.132 mg/kg	J [·]	SUR
CS-1-1002	Soil	B2J0104	8270C	Phenanthrene	1.59 mg/kg	J	SUR
CS-1-1002	Soil	B2J0104	8270C	Pyrene	1.02 mg/kg	J	SUR
RCS-2-1002	Soil	B2J0312	8270C	Indeno (1,2,3-cd) pyrene	0.976 mg/kg	J	MS
DF3082004 GW	Soil	B4H0566	8270C	Benzo(a)pyrene	< 0.330 mg/kg	UJ	Low IS
DF3082004 GW	Soil	B4H0566	8270C	Benzo(b)fluoranthene	< 0.330 mg/kg	UJ	Low IS
DF3082004 GW	Soil	B4H0566	8270C	Benzo(k)fluoranthene	< 0.330 mg/kg	UJ	Low IS
DF3082004 GW	Soil	B4H0566	8270C	Benzo(ghi)perylene	< 0.330 mg/kg	UJ	Low IS
DF3082004 GW	Soil	B4H0566	8270C	Dibenz(a,h)anthracene	< 0.330 mg/kg	υJ	Low IS
DF3082004 GW	Soil	B4H0566	8270C	Indeno(123-cd)pyrene	< 0.330 mg/kg	UJ	Low IS

Qualifier definitions:

J - estimated concentration

UJ - undetected, reporting limit is estimated

Reason Codes:

Low IS - Internal standard area is low due to confirmed matrix interference

MS - Matrix spike %R outlier, confirmed matrix interference

SUR - Surrogate standard %R outlier, possible matrix interference

15 October 2002

Katie Hendrickson The RETEC Group, Inc. 1011 SW Klickitat Way, Suite 207 Seattle, WA 98134

RE: Baxter Cove

Enclosed are the results of analyses for samples received by the laboratory on 09/24/02 13:15-10/09/02 14:05. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kortland Orr

РМ

The RETEC Group. Inc. 1011 SW Klickitat Way, Suite 207 Seattle WA, 98134 Project Number: JAGCO-16005
Project Manager: Katie Hendrickson

Reported: 10/15/02 19:04

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS-1-0902	B2I0496-01	Water	09/24/02 07:30	09/24/02 13:15
SS-2-0902	B2I0661-01	Water	09/30/02 08:20	09/30/02 12:45
SS-3-0902	B2I0661-02	Water	09/30/02 09:45	09/30/02 12:45
ST-1-0902	B2I0661-03	Soil	09/30/02 10:30	09/30/02 12:45
ST-2-0902	B2I0661-04	Soil	09/30/02 10:35	09/30/02 12:45
ST-3-0902	B2I0661-05	Soil	09/30/02 10:40	09/30/02 12:45
CS-1-1002	B2J0104-01	Soil	10/03/02 10:20	10/03/02 16:30
CS-2-1002	B2J0104-02	Soil	10/03/02 12:40	10/03/02 16:30
CS-3-1002	B2J0104-03	Soil	10/03/02 12:15	10/03/02 16:30
CS-4-1002	B2J0104-04	Soil	10/03/02 12:50	10/03/02 16:30
CS-5-1002	В2J0104-05	Soil	10/03/02 12:30	10/03/02 16:30
СВ-1-1002	В2J0104-06	Soil	10/03/02 11:20	10/03/02 16:30
СВ-2-1002	В2J0104-07	Soil	10/03/02 12:00	10/03/02 16:30
СВ-3-1002	В2J0104-08	Soil	10/03/02 11:40	10/03/02 16:30
CB-4-1002	B2J0104-09	Soil	10/03/02 11:50	10/03/02 16:30
ST-4-1002	B2J0104-10	Soil	10/03/02 13:30	10/03/02 16:30
ST-5-1002	B2J0104-11	Soil	10/03/02 13:40	10/03/02 16:30
SS-4-1002	В2J0134-01	Water	10/04/02 00:00	10/04/02 16:45
CS-6-1002	B2J0150-01	Soil	10/05/02 10:10	10/05/02 13:30
CS-7-1002	B2J0150-02	Soil	10/05/02 08:45	10/05/02 13:30
CS-8-1002	B2J0150-03	Soil	10/05/02 10:20	10/05/02 13:30
CS-9-1002	B2J0150-04	Soil	10/05/02 09:50	10/05/02 13:30
CB-5-1002	B2J0150-05	Soil	10/05/02 09:00	10/05/02 13:30
CB-6-1002	B2J0150-06	Soil	10/05/02 08:15	10/05/02 13:30
CB-7-1002	B2J0150-07	Soil	10/05/02 10:05	10/05/02 13:30
CB-8-1002	B2J0150-08	Soil	10/05/02 09:25	10/05/02 13:30
CB-9-1002	B2J0150-09	Soil	10/05/02 11:10	10/05/02 13:30
CB-10-1002	B2J0150-10	Soil	10/05/02 09:35	10/05/02 13:30
ST-6-1002	B2J0150-11	Soil	10/05/02 11:30	10/05/02 13:30

North Creek Analytical - Bothell

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1011 SW Klickitat Way, Suite 207 Seattle WA, 98134 Project: Baxter Cove

Project Number: JAGCO-16005

Reported: 10/15/02 19:04

Project Manager: Katie Hendrickson

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS-5-1002	B2J0160-01	Water	10/07/02 16:10	10/07/02 16:55
HA-1-1002	B2J0232-01	Soil	10/09/02 09:45	10/09/02 14:05
CS-10-1002	B2J0232-02	Soil	10/09/02 10:10	10/09/02 14:05
CS-12-1002	B2J0232-03	Soil	10/09/02 10:10	10/09/02 14:05
CB-11-1002	B2J0232-04	Soil	10/09/02 11:40	10/09/02 14:05
CS-11-1002	B2J0232-05	Soil	10/09/02 13:00	10/09/02 14:05
CS-13-1002	В2J0232-06	Soil	10/09/02 13:15	10/09/02 14:05

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The RETEC Group. Inc. 1011 SW Klickitat Way, Suite 207

Seattle WA, 98134

Project: Baxter Cove Project Number: JAGCO-16005 Project Manager: Katie Hendrickson

Reported: 10/15/02 19:04

Total Metals by EPA 6000/7000 Series Methods North Creek Analytical - Bothell

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SS-1-0902 (B2I0496-01) Water	Sampled: 09/24/02	07:30 Rece	ived: 09/24	/02 13:15					
Arsenic	0.00287	0.00100	mg/l	1	2125032	09/25/02	09/26/02	EPA 6020	
Copper	0.0491	0.00100	н	11	н	n		H	
SS-2-0902 (B2I0661-01) Water	Sampled: 09/30/02	08:20 Rece	ived: 09/30	/02 12:45					
Arsenic	0.00760	0.00100	mg/l	1	2J01017	10/01/02	10/02/02	EPA 6020	
Copper	0.0203	0.00100	n	n	н	u	tı .	U	
SS-3-0902 (B2I0661-02) Water	Sampled: 09/30/02	09:45 Rec	eived: 09/30	/02 12:45					
Arsenic	0.00920	0.00100	mg/l	1	2J01017	10/01/02	10/02/02	EPA 6020	
Copper	0.0295	0.00100			n	" ,	н	II .	
SS-4-1002 (B2J0134-01) Water	Sampled: 10/04/02	2 00:00 Rec	eived: 10/0	1/02 16:45					
Arsenic	0.00700	0.00100	mg/l	1	2J07011	10/07/02	10/08/02	EPA 6020	
Copper	0.00838	0.00100	10	н	P	n	**	11	
SS-5-1002 (B2J0160-01) Water	Sampled: 10/07/02	2 16:10 Rec	eived: 10/0	7/02 16:55					
Arsenic	0.00734	0.00100	mg/l	1	2J08031	10/08/02	10/09/02	EPA 6020	
Copper	0.0170	0.00100	u		11		H	11	

North Creek Analytical - Bothell

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1011 SW Klickitat Way, Suite 207 Seattle WA, 98134

Project: Baxter Cove

Project Number: JAGCO-16005 Project Manager: Katie Hendrickson

Reported: 10/15/02 19:04

Semivolatile Organic Compounds by EPA Method 8270C North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SS-1-0902 (B210496-01) Water	Sampled: 00/24/02	07:30 Decei	wed: 09/2/	/02 13-15					
2-Methylphenol	ND	10.0	ug/i	1	2124034	09/24/02	09/25/02	EPA 8270C	
3 & 4-Methylphenol	ND	10.0	"	,	".	11	N	# "	
Naphthalene	ND	10.0				n	н	. 11	
Pentachlorophenol	ND	10.0	**			"	**	a	
Surrogate: 2-FP	48.1 %	27-124			,		и	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
Surrogate: Phenol-d6	30.9 %	12-124			"	"	"	"	
Surrogate: 2,4,6-TBP	79.4 %	33-143			*	н	н	,,	
Surrogate: Nitrobenzene-d5	69.3 %	35-119			,	*	n	,,	
Surrogate: 2-FBP	77.3 %	44-124			**	*	n	n .	
Surrogate: p-Terphenyl-d14	80.7 %	10-131			*	"	"	"	
SS-2-0902 (B2I0661-01) Water	Sampled: 09/30/02	08:20 Recei	ived: 09/30	/02 12:45					
2-Methylphenol	ND	100	ug/l	10	2130031	09/30/02	10/02/02	EPA 8270C	
3 & 4-Methylphenol	ND	100	n	u	n			u	
Naphthalene	4640	500	n	50	n		10/03/02		
Pentachlorophenol	ND	100	н	10	II .		10/02/02	U	
Surrogate: 2-FP	49.6 %	27-124			11	"	"	п	
Surrogate: Phenol-d6	36.0 %	12-124			n	"	"	"	
Surrogate: 2,4,6-TBP	88.8 %	33-143			"	"	n	**	
Surrogate: Nitrobenzene-d5	79.2 %	35-119			н	"	"	"	
Surrogate: 2-FBP	83.9 %	44-124			**	n	*	"	
Surrogate: p-Terphenyl-d14	94.3 %	10-131			"	"	n	**	
SS-3-0902 (B2I0661-02) Water	Sampled: 09/30/02	09:45 Recei	ived: 09/30	0/02 12:45				. <u> </u>	
2-Methylphenol	ND	100	ug/l	10	2130031	09/30/02	10/03/02	EPA 8270C	
3 & 4-Methylphenol	ND	100	"	н	**	"	H	и .	
Naphthalene	496	100	"		**	"	n	n	
Pentachlorophenol	ND	100	**	**	1r	II	n	R	
Surrogate: 2-FP	49.6 %	27-124			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	"	n	"	
Surrogate: Phenol-d6	<i>34</i> .7 %	12-124			"	"	n	,,	
Surrogate: 2,4,6-TBP	82.4 %	33-143			"	,,	n		
Surrogate: Nitrobenzene-d5	68.4 %	35-119			,,	"	n	"	
Surrogate: 2-FBP	82.0 %	44-124			"	"	n	"	
Surrogate: p-Terphenyl-d14	81.6 %	10-131			#	ıı	"	"	

North Creek Analytical - Bothell

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1011 SW Klickitat Way, Suite 207 Seattle WA, 98134 Project: Baxter Cove

Project Number: JAGCO-16005 Project Manager: Katie Hendrickson Reported: 10/15/02 19:04

Semivolatile Organic Compounds by EPA Method 8270C North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SS-4-1002 (B2J0134-01) Water	Sampled: 10/04/02	00:00 Rece	ived: 10/04	1/02 16:45	<u> </u>				
	ND	10.0	ug/l	1	2J05002	10/05/02	10/07/02	EPA 8270C	
2-Methylphenol	22.4	10.0	ug.	, ,	"	"	н	п	
3 & 4-Methylphenol	1450	10.0	n	10	н		10/08/02	,,	
Naphthalene			н	10	0	u	10/07/02	n.	
Pentachlorophenol	51.6	10.0		1					
Surrogate: 2-FP	46.4 %	27-124			"	"	n	W	
Surrogate: Phenol-d6	61.2 %	12-124			"	"	H	u	
Surrogate: 2,4,6-TBP	77.5 %	33-143			*	"	"	"	
Surrogate: Nitrobenzene-d5	75.8 %	35-119			*	"	"	"	
Surrogate: 2-FBP	58.5 %	44-124			"	"	н	"	
Surrogate: p-Terphenyl-d14	42.8 %	10-131			"	"	"	,	
SS-5-1002 (B2J0160-01) Water	Sampled: 10/07/02	16:10 Rece	ived: 10/0	<u>7/02 16:55</u>					
3,3'-Dichlorobenzidine	ND	100	ug/l	10	2J08006	10/08/02	10/08/02	EPA 8270C	
2-Methylphenol	ND	100	n	**	n	Ħ	Ħ	#	
3 & 4-Methylphenol	106	100	11	н	"	n	ti	и	
Naphthalene	111	100	n	11	"	"		n	
Nitrobenzene	ND	100		н	u	ii .	**	H	
Pentachlorophenol	ND	100	11	11			u	n	
Surrogate: 2-FP	52.7 %	27-124			n	"	"	"	
Surrogate: Phenol-d6	39.7 %	12-124			"	"	#	"	
Surrogate: 2,4,6-TBP	81.7 %	33-143			*	*	n	n	
Surrogate: Nitrobenzene-d5	68.5 %	35-119			"	n	n	n	
Surrogate: 2-FBP	87.2 %	44-124			**	,	"	n	
Surrogate: p-Terphenyl-d14	95.6 %	10-131			"	*	*	н	

North Creek Analytical - Bothell

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1011 SW Klickitat Way, Suite 207 Seattle WA, 98134 Project: Baxter Cove

Project Number: JAGCO-16005

Reported: 10/15/02 19:04

Project Manager: Katie Hendrickson

Pentachlorophenol by GC/MS with Selected Ion Monitoring North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
ST-1-0902 (B2I0661-03) Soil	Sampled: 09/30/02 10	:30 Receiv	ed: 09/30/02	12:45					
Pentachlorophenol	0.627	0.184	mg/kg dry	1	2130029	09/30/02	10/03/02	EPA 8270 Mod	
Surrogate: 2,4,6-TBP	20.4 %	19-138				**	"	"	
ST-2-0902 (B210661-04) Soil	Sampled: 09/30/02 10	:35 Receiv	ed: 09/30/02	12:45					
Pentachlorophenol	1.28	0.345	mg/kg dry	2	2130029	09/30/02	10/03/02	EPA 8270 Mod	
Surrogate: 2,4,6-TBP	22.0 %	19-138			"	,,	"	"	
ST-3-0902 (B2I0661-05) Soil	Sampled: 09/30/02 10	:40 Receiv	ed: 09/30/02	12:45					
Pentachlorophenol	0.970	0.269	mg/kg dry	2	2130029	09/30/02	10/03/02	EPA 8270 Mod	-
Surrogate: 2,4,6-TBP	25.4 %	19-138			"	"	,,	,,	

North Creek Analytical - Bothell

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1011 SW Klickitat Way, Suite 207 Seattle WA, 98134

Project: Baxter Cove

Project Number: JAGCO-16005

Project Manager: Katie Hendrickson

Reported: 10/15/02 19:04

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring North Creek Analytical - Bothell

Analyte	R Result	eporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
ST-1-0902 (B2I0661-03) Soil	Sampled: 09/30/02 10:3	0 Receiv	ed: 09/30/02	12:45				-	
Acenaphthene	13.1	0.367	mg/kg dry	10	2130029	09/30/02	10/07/02	EPA 8270 Mod	
Acenaphthylene	ND	0.367	11	,,	*	"	11	п	
Anthracene	3.11	0.367	11	н		n	#	н	
Benzo (a) anthracene	2.96	0.367	n	**	11	н	11	н	
Benzo (a) pyrene	1.10	0.367	.,	n	н	H	*	u u	
Benzo (b) fluoranthene	1.22	0.367	**	**	**		#1	H	
Benzo (ghi) perylene	ND	0.367	и	n	n	н	n	**	
Benzo (k) fluoranthene	0.931	0.367	"			**	**	H	
Chrysene	3.40	0.367		н	н	H		11	
Dibenz (a,h) anthracene	ND	0.367	11	n	10	**	n	R	
Fluoranthene	18.0	0.367		n	н	"	n	*	
Fluorene	11.5	0.367	n		"	**	N		
Indeno (1,2,3-cd) pyrene	ND	0.367	11			n ·	n	u	
Naphthalene	32.2	0.367	I+	н	н	**	n	u	
Phenanthrene	31.5	0.367	"	u	**	H	11	и	
Pyrene	11.7	0.367					H		
Surrogate: p-Terphenyl-d14	16.3 %	12-141			"	"	"	и	S-06
ST-2-0902 (B2I0661-04) Soil	Sampled: 09/30/02 10:3	85 Receiv	ved: 09/30/02	2 12:45					
Acenaphthene	44.3	1.72	mg/kg dry	50	2130029	09/30/02	10/07/02	EPA 8270 Mod	
Acenaphthylene	12.5	1.72	"	"	"	"	"	"	
Anthracene	14.4	1.72		н	n	*	**	11	
Benzo (a) anthracene	9.19	1.72	n	n	н	11	"	"	
Benzo (a) pyrene	3.22	1.72	11	**		"	"	11	
Benzo (b) fluoranthene	3.33	1.72	11	n		11	"	н	
Benzo (ghi) perylene	ND	1.72	Ħ	11	n	,	11	n.	
Benzo (k) fluoranthene	2.99	1.72	11	"		"	n	,,	
Chrysene	10.7	1.72	μ	"	"	11	**		
Dibenz (a,h) anthracene	ND	1.72	IT.	11	41	*	**	u u	
Fluoranthene	56.6	1.72	н	n		19	0	H	
Fluorene	40.5	1.72	tr			"	11	н	
Indeno (1,2,3-cd) pyrene	ND	1.72	n	**	11		**	11	
Naphthalene	103	1.72	**	u	н	*	11	n	
Phenanthrene	106	1.72		10	11	Ħ	**	**	
Pyrene	38.8	1.72		"	11	57	n		
Surrogate: p-Terphenyl-d14	20.0 %	42-141			"	"	"	"	S-0

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1011 SW Klickitat Way, Suite 207 Seattle WA, 98134 Project: Baxter Cove

Project Number: JAGCO-16005 Project Manager: Katie Hendrickson Reported: 10/15/02 19:04

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
ST-3-0902 (B2I0661-05) Soil	Sampled: 09/30/02 10	0:40 Receiv	ed: 09/30/02	12:45					
Acenaphthene	27.2	1.34	mg/kg dry	50	2130029	09/30/02	10/07/02	EPA 8270 Mod	
Acenaphthylene	ND	1.34	"	11	10	n	n	it	
Anthracene	16.5	1.34	n				n	11	
Benzo (a) anthracene	5.82	1.34	"		**	n	п	n	
Benzo (a) pyrene	1.97	1.34	11	19		n	n	11	
Benzo (b) fluoranthene	1.97	1.34	,,	n	ii.	11	n	п	
Benzo (ghi) perylene	ND	1.34	"	r	u	u	**	н	
Benzo (k) fluoranthene	2.15	1.34	и		**	11	и	н .	
Chrysene	7.52	1.34	ti.	*	11	**	**	n	
Dibenz (a,h) anthracene	ND	1.34	u u	"	"	*	u	•	
Fluoranthene	34.0	1.34	u	H	**	H	10	Ħ	
Fluorene	26.5	1.34	ıı	"	н		0	π	
Indeno (1,2,3-cd) pyrene	ND	1.34	п	н	H			n	
Naphthalene	56.0	1.34	H	**	n	н	n	H	
Phenanthrene	66.4	1.34	#	**	н		"	**	
Pyrene	23.9	1.34	u	19	n	\$1	н		
Surrogate: p-Terphenyl-d14	23.9 %	42-141		•	"	**	,,	u	S-06
CS-1-1002 (B2J0104-01) Soil	Sampled: 10/03/02 1	0:20 Recei	ved: 10/03/0	2 16:30					
Acenaphthene	0.446	0.0100	mg/kg dry	1	2J04010	10/04/02	10/05/02	EPA 8270 Mod	
Acenaphthylene	0.0124	0.0100	"	**	rı .	и	n	n	
Anthracene	0.439	0.0100	,,	,,	¥1	11	**		
Benzo (a) anthracene	0.252	0.0100	11		**	11	h	și .	
Benzo (a) pyrene	0.139	0.0100	"	"	#1	11	n	**	
Benzo (b) fluoranthene	0.148	0.0100	"	,,	**	11		**	
Benzo (ghi) perylene	0.0794	0.0100	**	**	**	11		u ·	
Benzo (k) fluoranthene	0.116	0.0100	11	"	n	10	н		
Chrysene	0.319	0.0100	H	"	11	n			
Dibenz (a,h) anthracene	0.0309	0.0100	n	*	n	0			
Fluoranthene	1.29	0.0100	"	11		н	**	н	
Fluorene	0.527	0.0100	**	"	n		n	ti .	
Indeno (1,2,3-cd) pyrene	0.0671	0.0100	**	**	,,	"	n		
Naphthalene	0.131	0.0100	**	"	,,	n	*	D	
Phenanthrene	1.59	0.0100		**	,,	**	n	**	
Pyrene	1.02	0.0100	11	,	"		н	17	
Surrogate: p-Terphenyl-d14	23.3 %	42-141						"	S-04

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Project: Baxter Cove

Project Number: JAGCO-16005 Project Manager: Katie Hendrickson Reported:

10/15/02 19:04

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CS-2-1002 (B2J0104-02) Soil S	ampled: 10/03/02 12	2:40 Receiv	ed: 10/03/02	16:30					
Acenaphthene	9.20	0.297	mg/kg dry	10	2J04010	10/04/02	10/06/02	EPA 8270 Mod	
Acenaphthylene	0.138	0.0297	11	1	17	**	10/05/02	11	
Anthracene	9.45	0.297	n	10	14	n	10/06/02	10	
Benzo (a) anthracene	4.28	0.0297	n	1	57	,,	10/05/02	**	
Benzo (a) pyrene	1.48	0.0297	II.	"	"	"	**	11	
Benzo (b) fluoranthene	1.64	0.0297	II.	n	. "	•	n	**	
Benzo (ghi) perylene	0.536	0.0297	n	11	**	**	**	ti .	
Benzo (k) fluoranthene	1.39	0.0297	11	**		jı .	n	11	
Chrysene	5.29	0.0297	11	"	11	"	17	н	
Dibenz (a,h) anthracene	0.253	0.0297	Ħ	11	n	H	Ħ	**	
Fluoranthene	20.3	0.297		10	11	**	10/06/02	н	
Fluorene	10.0	0.297	Ħ	"	•	h	n	н	
Indeno (1,2,3-cd) pyrene	0.539	0.0297	n	1	п	II .	10/05/02	II.	
Naphthalene	10.1	0.297	n	10	11	19	10/06/02	, п	
Phenanthrene	30.7	0.297	Ħ	**	Ð	*	"	**	
Pyrene	15.1	0.297	tt			*	"		
Surrogate: p-Terphenyl-d14	42.5 %	42-141			"	,,	10/05/02	n	
CS-3-1002 (B2J0104-03) Soil S	ampled: 10/03/02 1	2:15 Recei	ved: 10/03/0	2 16:30					
Acenaphthene	2.34	0.0300	mg/kg dry	1	2J04010	10/04/02	10/05/02	EPA 8270 Mod	
Acenaphthylene	0.0480	0.0300	n	Ħ	н	n	H	H	
Anthracene	2.52	0.0300	.0			•	п	91	
Benzo (a) anthracene	0.909	0.0300	н	n	,,	10	11	it .	
Benzo (a) pyrene	0.480	0.0300	"	"		11	11	n	
Benzo (b) fluoranthene	0.612	0.0300	"	n		11	11	II	
Benzo (ghi) perylene	0.276	0.0300	**		11	11	17	и	
Benzo (k) fluoranthene	0.402	0.0300	**	*			H	u	
Chrysene	1.28	0.0300	**		n	n	"	H	
Dibenz (a,h) anthracene	0.117	0.0300	19	и	н	11	11	11	
Fluoranthene	4.43	0.0300	17	**		•	Ħ	n	
Fluorene	2.84	0.0300	**	"	Ħ	"	tr	•	
Indeno (1,2,3-cd) pyrene	0.246	0.0300	**	**	п	"	n	**	
Naphthalene	1.65	0.0300	н	н	н		u	11	
Phenanthrene	8.18	0.0600	n	2	17	**	10/06/02	11	
								11	
Pyrene	3.23	0.0300		1	"		10/05/02		

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Project Number: JAGCO-16005

Project Manager: Katie Hendrickson

Reported: 10/15/02 19:04

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
CS-4-1002 (B2J0104-04) Soil	Sampled: 10/03/02 1	2:50 Receiv	ved: 10/03/02	2 16:30			·	. <u> </u>	
Acenaphthene	0.431	0.0297	mg/kg dry	1	2J04010	10/04/02	10/05/02	EPA 8270 Mod	
Acenaphthylene	ND	0.0297	H	"	**	и	10	н	
Anthracene	0.251	0.0297	"		"	n	"	н	
Benzo (a) anthracene	0.217	0.0297	"	"			11	91	
Benzo (a) pyrene	0.220	0.0297	n	**	n	n	11	**	
Benzo (b) fluoranthene	0.264	0.0297	"	n	н	II	**	•	
Benzo (ghi) perylene	0.145	0.0297	"	**	"	11	n	ņ	
Benzo (k) fluoranthene	0.141	0.0297	"	n	. "	**	n	11	
Chrysene	0.289	0.0297	"	•	n	n	r	11	
Dibenz (a,h) anthracene	0.0472	0.0297		•	H	"	n	**	
Fluoranthene	0.773	0.0297	R	"	н	"	"	н	
Fluorene	0.358	0.0297		10	n	"	"	H	
Indeno (1,2,3-cd) pyrene	0.116	0.0297		10	"	. 10	•	п	
Naphthalene	0.314	0.0297	tr	n		10	11	н	
Phenanthrene	0.908	0.0297		H		"	"	и	
Pyrene	0.588	0.0297	**	н	v	H	"		
Surrogate: p-Terphenyl-d14	67.6 %	42-141			n	**	,,	n	
CS-5-1002 (B2J0104-05) Soil	Sampled: 10/03/02 1	2:30 Recei	ved: 10/03/0	2 16:30					
Acenaphthene	0.566	0.0286	mg/kg dry	1	2J04010	10/04/02	10/05/02	EPA 8270 Mod	
Acenaphthylene	ND	0.0286	**		n	*	**	D.	
Anthracene	0.492	0.0286				n	H.	u	
Benzo (a) anthracene	0.418	0.0286	**		•		**	n	
Benzo (a) pyrene	0.697	0.0286	**	,,	**	**	11	*	
Benzo (b) fluoranthene	0.755	0.0286	**		n	•	. "	Ħ	
Benzo (ghi) perylene	0.484	0.0286	n	**	н	**	н		
Benzo (k) fluoranthene	0.416	0.0286	11	n		D	н		
Chrysene	0.671	0.0286	**	**		**	n		
Dibenz (a,h) anthracene	0.153	0.0286	**	**	n	n	n	**	
Fluoranthene	1.23	0.0286	11	n	**	"	**	. "	
Fluorene	0.629	0.0286	п	71	•		**	n	
Indeno (1,2,3-cd) pyrene	0.363	0.0286	**	11	11	"	10	rr ·	
Naphthalene	0.224	0.0286	n	11	II	•	"	u u	
Phenanthrene	1.82	0.0286	11	**	a	**	P	H	
D	0.937	0.0286	**	11			n	n	
Pyrene	0.731	0.0200							

North Creek Analytical - Bothell

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Project: Baxter Cove

Project Number: JAGCO-16005 Project Manager: Katie Hendrickson

Reported: 10/15/02 19:04

Seattle WA, 98134

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring North Creek Analytical - Bothell

		with Civ	ek Anary						
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CB-1-1002 (B2J0104-06) Soil	Sampled: 10/03/02 1	1:20 Receiv	<u>/ed: 10/03/02</u>	2 16;30	_	.			
Acenaphthene	8.88	0.149	mg/kg dry	5	2J04010	10/04/02	10/06/02	EPA 8270 Mod	
Acenaphthylene	2.13	0.0297	"	1	"	r	10/05/02	11	
Anthracene	3.96	0.0297	n	**	**	"	**	"	
Benzo (a) anthracene	2.47	0.0297	*		17	Ħ	n	ч	
Benzo (a) pyrene	0.957	0.0297	n	**	11	и	"	"	
Benzo (b) fluoranthene	1.09	0.0297	*1	"	P	**	н	"	
Benzo (ghi) perylene	0.280	0.0297	II .	H	**	"	11	n	
Benzo (k) fluoranthene	0.719	0.0297	**	H	n		"	π ,	
Chrysene	2.06	0.0297	н	H		#	п	н	
Dibenz (a,h) anthracene	0.147	0.0297	**	**	н		"	**	
Fluoranthene	14.5	0.149	o	5	17	"	10/06/02	"	
Fluorene	8.53	0.149	u	10	**	"	"	n	
Indeno (1,2,3-cd) pyrene	0.301	0.0297	n	1	**	10	10/05/02	п	
Naphthalene	8.59	0.149	n	5	н		10/06/02	n	
Phenanthrene	23.7	0.149		n	"	н	n	fi.	
Pyrene	10.6	0.149	11	н	"	"	"		
Surrogate: p-Terphenyl-d14	67.8 %	42-141			"	n	10/05/02	н	
CB-2-1002 (B2J0104-07) Soil	Sampled: 10/03/02 1	2:00 Recei	ved: 10/03/0	2 16:30					
Acenaphthene	13.3	0.297	mg/kg dry	10		10/04/02	10/06/02	EPA 8270 Mod	
Acenaphthylene	0.282	0.0297	U	1	n	**	10/05/02	yı.	
Anthracene	6.81	0.0297	11	**	17	**	"	11	
Benzo (a) anthracene	2.59	0.0297	"		11	n	,	H	
Benzo (a) pyrene	1.00	0.0297	v	,11	**	n		II.	
Benzo (b) fluoranthene	1.16	0.0297	u			"	H	**	
Benzo (ghi) perylene	0.398	0.0297	U	n	11	H	"	n,	
Benzo (k) fluoranthene	0.773	0.0297	11	"		"	n	II	
Chrysene	2.79	0.0297	н	**	*1	"	**	n	
Dibenz (a,h) anthracene	0.177	0.0297	**	H	11	н	п	11	
Fluoranthene	14.9	0.297	**	10	**		10/06/02	11	
Fluorene	12.3	0.297	*			"	**	n	
Indeno (1,2,3-cd) pyrene	0.364	0.0297	10	1	11	**	10/05/02	U U	
Naphthalene	13.0	0.297		10	11		10/06/02	19	
Phenanthrene	33.9	0.297		11	и	11	10		
Pyrene	12.6	0.297		**	p	**	н	#	
Surrogate: p-Terphenyl-d14	63.3 %	42-141			,,	"	10/05/02	"	
Surrogate: p-terpnenyl-a14	03.5 70							_	

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Seattle WA, 98134

Project: Baxter Cove

Project Number: JAGCO-16005

Project Manager: Katie Hendrickson

Reported: 10/15/02 19:04

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CB-3-1002 (B2J0104-08) Soil	Sampled: 10/03/02 1	1:40 Recei	ved: 10/03/02	2 16:30					
Acenaphthene	113	2.88	mg/kg dry	100	2J04010	10/04/02	10/06/02	EPA 8270 Mod	
Acenaphthylene	0.866	0.288		10		11	10/05/02	н	
Anthracene	35.9	2.88	u	100	•	u	10/06/02	n	
Benzo (a) anthracene	24.7	0.288	н	10	11	H	10/05/02	н	
Benzo (a) pyrene	9.25	0.288			**	н	11	n	
Benzo (b) fluoranthene	10.2	0.288	11		P	n	n	11	
Benzo (ghi) perylene	2.37	0.288			P	11	19	н	
Benzo (k) fluoranthene	7.21	0.288	11	tt	19	ir .)1	n	
Chrysene	21.1	0.288	Ħ	**	н	n	н	D	
Dibenz (a,h) anthracene	1.35	0.288	n	"	"	n	n	. и	
Fluoranthene	151	2.88	H	100	н	11	10/06/02	Ħ	
Fluorene	99.9	2.88	n	11	11	n	h	м -	
Indeno (1,2,3-cd) pyrene	2.65	0.288	,	10	**	n	10/05/02	H	
Naphthalene	139	2.88		100	и	•	10/06/02	n	
Phenanthrene	263	2.88	n	**	н	**	"	**	
Pyrene	109	2.88	n		v				
Surrogate: p-Terphenyl-d14	62.8 %	42-141			"	n	10/05/02	"	
CB-4-1002 (B2J0104-09) Soil	Sampled: 10/03/02 1	1:50 Recei	ved: 10/03/0	2 16:30					
Acenaphthene	2.51	0.0291	mg/kg dry	1	2J04010	10/04/02	10/05/02	EPA 8270 Mod	
Acenaphthylene	0.0364	0.0291	11	н	n	19	r		
Anthracene	1.40	0.0291		н		10	**	n	
Benzo (a) anthracene	1.11	0.0291	n			' u	н	#	
Benzo (a) pyrene	0.791	0.0291	n	m		**	н	**	
Benzo (b) fluoranthene	0.911	0.0291	n	n	u	п	н	**	
Benzo (ghi) perylene	0.435	0.0291	11	**	**	11	n	н .	
Benzo (k) fluoranthene	0.471	0.0291	n	n	11	μ	•	**	
Chrysene	1.24	0.0291	**	**	11	н	11	н	
Dibenz (a,h) anthracene	0.161	0.0291	*1	и	n	п	**	n	
Fluoranthene	6.32	0.0583	н	2	, n	11	10/06/02	"	
Fluorene	3.18	0.0583	и	и	n	11	h	n	
Indeno (1,2,3-cd) pyrene	0.349	0.0291		1	n	19	10/05/02	n	
Naphthalene	1.43	0.0291		**	n	P	*	U	
Phenanthrene	8.37	0.0583	*	2	n	n	10/06/02	п	
Pyrene	3.85	0.0291		1			10/05/02	r ·	
Surrogate: p-Terphenyl-d14	57.3 %	42-141			n	n	"	н	

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Project Number: JAGCO-16005
Project Manager: Katie Hendrickson

Reported: 10/15/02 19:04

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
ST-4-1002 (B2J0104-10) Soil	Sampled: 10/03/02 13	:30 Receiv	/ed: 10/03/02	16:30					
Acenaphthene	190	0.702	mg/kg dry	10	2J04010	10/04/02	10/06/02	EPA 8270 Mod	
Acenaphthylene	2.29	0.702	11	n		**		n	
Anthracene	134	7.02	n	100	"	11	10/06/02	11	
Benzo (a) anthracene	69.3	0.702	97	10	H	H	10/06/02	H	
Benzo (a) pyrene	24.2	0.702	n	н		••	н	11	
Benzo (b) fluoranthene	30.8	0.702	**	n	11	n	†I	R	
Benzo (ghi) perylene	7.02	0.702	. 11	"	м		10	"	
Benzo (k) fluoranthene	21.1	0.702	n	"	•	11		"	
Chrysene	78.3	0.702	ıı	11	и	n	**		
Dibenz (a,h) anthracene	3.93	0.702	u	,	11	и	н	π	
Fluoranthene	409	7.02	n	100	н	н	10/06/02	n	
Fluorene	229	7.02	H		n	tt	11	n	
Indeno (1,2,3-cd) pyrene	7.72	0.702	11	10	n	"	10/06/02	ņ	
Naphthalene	191	7.02	n	100	0	,,	10/06/02	"	•
Phenanthrene	582	7.02	11	**	*1	"	u	#	
Pyrene	297	7.02			"		н	tr .	
Surrogate: p-Terphenyl-d14	64.8 %	42-141			"	н	10/06/02	п	
ST-5-1002 (B2J0104-11) Soil	Sampled: 10/03/02 1	3:40 Recei	ved: 10/03/0	2 16:30					
Acenaphthene	48.0	0.297	mg/kg dry	10	2J04010	10/04/02	10/06/02	EPA 8270 Mod	
Acenaphthylene	0.576	0.297	n	n	•	n	n	n	
Anthracene	35.0	0.297	н	n			n	н	
Benzo (a) anthracene	15.8	0.297	· ·	•	N	11	11	11	
Benzo (a) pyrene	5.52	0.297	н	**	"	**	10	11	
Benzo (b) fluoranthene	4.91	0.297	**	11	**	.,	•	п	
Benzo (ghi) perylene	1.58	0.297	U	**	n	••	-	п.	
Benzo (k) fluoranthene	6.03	0.297	**	н	11	и	п	н	
Chrysene	14.8	0.297	'n	•	"	**	U	n	
Dibenz (a,h) anthracene	0.849	0.297	**	и	n		•	•	
Fluoranthene	277	5.94	ŧI	200	**	97	10/07/02	Ħ	
Fluorene	50.0	0.297	11	10	,,	н	10/06/02	10	
Indeno (1,2,3-cd) pyrene	1.67	0.297	H	"	P	11	•	n	
Naphthalene	50.1	0.297	**	н	11	n	. 11	10	
Phenanthrene	499	5.94	**	200		10	10/07/02	н	
Pyrene	58.2	0.297	•	10	n	n	10/06/02	, п	
Surrogate: p-Terphenyl-d14	76.8 %	42-141			11	"	"	"	

North Creek Analytical - Bothell

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1011 SW Klickitat Way, Suite 207 Seattle WA, 98134 Project: Baxter Cove

Project Number: JAGCO-16005
Project Manager: Katie Hendrickson

Reported: 10/15/02 19:04

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CS-6-1002 (B2J0150-01) Soil Sampled: 10	/05/02 1	0:10 Receiv	ved: 10/05/02	2 13:30					
Acenaphthene	7.14	0.100	mg/kg dry	10	2J07032	10/07/02	10/09/02	EPA 8270 Mod	
Acenaphthylene	0.213	0.100	n	H		"	11	11	
Anthracene	3.18	0.100	н	н	**	н	11	IF	
Benzo (a) anthracene	2.09	0.100	11	11	**	n	"	11	
Benzo (a) pyrene	0.907	0.100	n		#	11	r	н	
Benzo (b) fluoranthene	0.948	0.0100	н	1		11	10/09/02	н	
Benzo (ghi) perylene	0.331	0.100	n	10	н	n	10/09/02	и	
Benzo (k) fluoranthene	0.811	0.100	n	**		tı	tr	H	
Chrysene	2.49	0.100	•	**	#	H	n	n	
Dibenz (a,h) anthracene	ND	0.100	**	n	**	**	н	ıı .	
Fluoranthene	10.5	0.100		11	"	n	n	II .	
Fluorene	6.77	0.100	"	11		H	н	n	
Indeno (1,2,3-cd) pyrene	0.299	0.100		"	н	•	,,	n	
Naphthalene	3.05	0.100		**	H	**		•	
Phenanthrene	19.4	0.100	ii.	**	11	11	•	"	
Pyrene	8.91	0.100	n	**	91	н	н		
Surrogate: p-Terphenyl-d14	49.4 %	42-141			"	"	*	n	
CS-6-1002 (B2J0150-01RE1) Soil Sample	d: 10/05	/02 10:10 R	eceived: 10/	05/02 13:30	0	_			
Acenaphthene	13.6	0.200	mg/kg dry	10	2J10029	10/10/02	10/14/02	EPA 8270 Mod	
Acenaphthylene	0.213	0.200	11	н	7	н	n	H-	
Anthracene	8.09	0.200	n	**	n	н	"	er e	
Benzo (a) anthracene	4.25	0.200	n	**	n	Ħ		Ħ	
Benzo (a) pyrene	1.64	0.200	II	"	н	**	11	Ħ	
Benzo (b) fluoranthene	2.13	0.200	н	"	n	11	n	n .	
Benzo (ghi) perylene	0.534	0.200	n	11	n	11	"		
Benzo (k) fluoranthene	1.22	0.200	II .	u		н	"	H	
Chrysene	5.63	0.200	**		11	n	"		
Dibenz (a,h) anthracene	0.726	0.200	11	Ħ	10	Ħ	**	te	
Fluoranthene	23.9	0.200	11	н	и	**		n	
Fluorene	12.9	0.200	*	*1	n	**	"	"	
Indeno (1,2,3-cd) pyrene	0.555	0.200	н	**	,,	17	n	n	
Naphthalene	3.35	0.200	n	n	"	•		н	
Phenanthrene	41.3	0.400	n	20			10/14/02	,,	
Pyrene	16.4	0.200	n	10			10/14/02	n	
	93.1 %	42-141			,,	,,	,,	,,	

North Creek Analytical - Bothell

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1011 SW Klickitat Way, Suite 207 Seattle WA, 98134

Project: Baxter Cove

Project Number: JAGCO-16005

Project Manager: Katie Hendrickson

Reported: 10/15/02 19:04

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

North Creek Analytical - Bothell

		Reporting				_		34.1.1	Max
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
S-7-1002 (B2J0150-02) Soil Samp	led: 10/05/02 08:	45 Receiv	ed: 10/05/02	13:30					
Acenaphthene	4.41	0.100	mg/kg dry	10	2J07032	10/07/02		EPA 8270 Mod	
Acenaphthylene	0.118	0.100		10	и	U	"	n	
Anthracene	1.42	0.100	II .	**	11	h	11	n	
Benzo (a) anthracene	1.35	0.100	**	"	"		"	n	
Benzo (a) pyrene	1.42	0.100	n	"	"	11	11	п	
Benzo (b) fluoranthene	1.16	0.0100	"	1	**	H	10/09/02	"	
Benzo (ghi) perylene	0.887	0.100	**	10	17	"	10/09/02	*	
Benzo (k) fluoranthene	0.994	0.100	н	**	**	11	н	"	
Chrysene	2.43	0.100	n	**	19	11	11	"	
Dibenz (a,h) anthracene	ND	0.100		*	"	"	"	11	
Fluoranthene	6.02	0.100	'n	**	"	"	n	11	
Fluorene	3.93	0.100	n	h	М		**	u	
Indeno (1,2,3-cd) pyrene	0.662	0.100	**	n	"	H	"	P	
Naphthalene	2.43	0.100	ii .	n	"		n	n	
Phenanthrene	12.4	0.100	19	*	**	H	,,	н	
Pyrene	5.12	0.100							
Surrogate: p-Terphenyl-d14		42-141			u	"	"	n	
CS-7-1002 (B2J0150-02RE1) Soil S	Sampled: 10/05/0	2 08:45 R	eceived: 10/	05/02 13:3	<u> </u>				, -
Acenaphthene	7.65	0.196	mg/kg dry	10	2J10029	10/10/02	10/14/02	EPA 8270 Mod	
Acenaphthylene	ND	0.196	Ħ	**	н		*	u	
Anthracene	2.53	0.196	"	11	10	tr	**	H	
Benzo (a) anthracene	2.55	0.196	H.	și și	"	"	#1	**	
Benzo (a) pyrene	1.79	0.196	и	n		н	19		
Benzo (b) fluoranthene	2.09	0.196	"	n	10	n '	"		
Benzo (ghi) perylene	1.04	0.196	"	п	11	"	,,	n	
Benzo (k) fluoranthene	1.07	0.196	H	п		,	н	II .	
Chrysene	4.59	0.196	11	IT	**	11	10	ıı	
Dibenz (a,h) anthracene	0.881	0.196	"		II.	**	п	n	
Fluoranthene	12.0	0.196	**	**	**	11	11	19	
Fluorene	6.73	0.196	It	H	n	**	"	u	
Indeno (1,2,3-cd) pyrene	0.835	0.196	**		H	*	"	10	
Naphthalene	4.24	0.196	,,	**	D	51*	n	"	
Phenanthrene	24.5	0.196		91	10	•	n	#	
Pyrene	8.28	0.196	н	n	"	н			
Surrogate: p-Terphenyl-d14	74.3 %	42-141			"	"	,,	,,	

North Creek Analytical - Bothell

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1011 SW Klickitat Way, Suite 207 Seattle WA, 98134 Project: Baxter Cove

Project Number: JAGCO-16005 Project Manager: Katie Hendrickson

Reported: 10/15/02 19:04

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CS-8-1002 (B2J0150-03) Soil Sa	mpled: 10/05/02 1	0:20 Recei	ved: 10/05/02	2 13:30					
Acenaphthene	22.0	0.500	mg/kg dry	50	2J07032	10/07/02	10/09/02	EPA 8270 Mod	
Acenaphthylene	ND	0.500	**	**	н	n			
Anthracene	7.78	0.500	h	"	n	11	**	n	
Benzo (a) anthracene	5.14	0.500	17	**	н	11	II.		
Benzo (a) pyrene	1.79	0.500	"	"	11	11	"	н	
Benzo (b) fluoranthene	3.40	0.0500	H	5	н	n	10/09/02	п	
Benzo (ghi) perylene	0.519	0.500	P	50	m	**	10/09/02	IP	
Benzo (k) fluoranthene	1.79	0.500	н	n	U	11	"	н	
Chrysene	5.89	0.500	n	"	11	11	11	н .	
Dibenz (a,h) anthracene	ND	0.500	"	"	n	**		п	
Fluoranthene	29.9	0.500	r	•	n	•		п	
Fluorene	20.6	0.500	n	п	*	**	11	u	
Indeno (1,2,3-cd) pyrene	0.519	0.500	n	"	**		**	11	
Naphthalene	6.32	0.500	11	n	**	**	11	11	
Phenanthrene	59.9	0.500	**	"	P	**	n	n	
Pyrene	23.3	0.500	,,,	н	*		n	и	
Surrogate: p-Terphenyl-d14	44.1 %	42-141			н	,,	"	11	
CS-8-1002 (B2J0150-03RE1) Soil	Sampled: 10/05	/02 10:20 R	eceived: 10/0	5/02 13:30	<u> </u>				
Acenaphthene	45.6	1.00	mg/kg dry	50	2J10029	10/10/02	10/14/02	EPA 8270 Mod	
Acenaphthylene	ND	1.00	11	**	*		n	"	
Anthracene	14.5	1.00	**	"	*	n	н	н	
Benzo (a) anthracene	10.6	1.00	**			10	n	н	
Benzo (a) pyrene	3.30	1.00	•		•	**	n	п	
Benzo (b) fluoranthene	4.34	1.00	**	tt.	•	11	n		
Benzo (ghi) perylene	ND	1.00	IF	н	47	11	,		
Benzo (k) fluoranthene	3.02	1.00	*	**	#	**	,	n	
Chrysene	11.4	1.00	17	u	п	**	h	π	
Dibenz (a,h) anthracene	2.64	1.00	**	n	11	n ·	11	19	
Fluoranthene	65.2	1.00	11	**	41	11	**	ir	
Fluorene	40.2	1.00	**	"	н	n	n	17	
Indeno (1,2,3-cd) pyrene	ND	1.00	#		**		н	II.	
Naphthalene	. 9.71	1.00			**	•	n	11	
· upmimmicme	. 2./1								
Phenanthrene	124	1.00	și.		**	**	ŧr	n	
•			11	11	n	"	ls gs	n 11	

North Creek Analytical - Bothell

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1011 SW Klickitat Way, Suite 207 Seattle WA, 98134 Project: Baxter Cove

Project Number: JAGCO-16005 Project Manager: Katie Hendrickson Reported: 10/15/02 19:04

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring North Creek Analytical - Botheli

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CS-9-1002 (B2J0150-04) Soil Sampl	led: 10/05/02 0	9:50 Receiv	ed: 10/05/02	13:30					
Acenaphthene	0.155	0.0100	mg/kg dry	1	2J07032		10/09/02	EPA 8270 Mod	
Acenaphthylene	0.0199	0.0100	и		11	"			
Anthracene	0.0754	0.0100	**	**	H	n	n	**	
Benzo (a) anthracene	0.134	0.0100	31	. "	*1	H	**	**	
Benzo (a) pyrene	0.312	0.0100	н	**	19	"	ı		
Benzo (b) fluoranthene	0.337	0.0100	"	"	U	11	10/09/02	"	
Benzo (ghi) perylene	0.308	0.0100	ti .	"	"	11	10/09/02	н	
Benzo (k) fluoranthene	0.205	0.0100	"	#	"	n	н	и -	
Chrysene	0.309	0.0100	11	H	"		n	0	
Dibenz (a,h) anthracene	0.0953	0.0100	"	**	**	0	н	**	
Fluoranthene	0.286	0.0100	"	n	*1	н	**	n	
Fluorene	0.116	0.0100	11	n.	n		"		
Indeno (1,2,3-cd) pyrene	0.218	0.0100	n	n	н	•	"	11	
Naphthalene	0.0440	0.0100	H	"	*	"	**	"	
Phenanthrene	0.350	0.0100	"	D		11	'n	"	
Pyrene	0.236	0.0100	"		п	**	0		
Surrogate: p-Terphenyl-d14	36.9 %	42-141			"	н	n	"	
CS-9-1002 (B2J0150-04RE1) Soil S	ampled: 10/05/	02 09:50 R	eceived: 10/	05/02 13:3	0				
Acenaphthene	0.364	0.0197	mg/kg dry	1	2J10029	10/10/02	10/13/02	EPA 8270 Mod	
Acenaphthylene	0.0331	0.0197	H	11	н	н	H	11	
Anthracene	0.227	0.0197	**	"	n	n	**	"	
Benzo (a) anthracene	0.401	0.0197	11	Ħ	11	н	н		
Benzo (a) pyrene	0.686	0.0197	P	11	н		n	11	
Benzo (b) fluoranthene	0.761	0.0197	"	n	n	10		n .	
Benzo (ghi) perylene	0.610	0.0197	"	"	н			10 .	
Benzo (k) fluoranthene	0.370	0.0197	11	н			u	u	
Chrysene	1.02	0.0197	н	Ħ	Ħ	и	"	п	
Dibenz (a,h) anthracene	0.223	0.0197	•	**	11	**	IF	n	
Fluoranthene	0.814	0.0197	,,	**	19	"	n	n	
Fluorene	0.244	0.0197	**	n		11	•	п	
Indeno (1,2,3-cd) pyrene	0.455	0.0197	n	**		**	"	11	
Naphthalene	0.0951	0.0197	n	н	**	**	Ħ	ıı .	
Phenanthrene	1.01	0.0197	n	11	n	п	ti	n	
	0.776	0.0197					**		
Pyrene	0.676	0.0197			<u>.</u>				

North Creek Analytical - Bothell

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Kntlet 40

1011 SW Klickitat Way, Suite 207

Project: Baxter Cove

Project Number: JAGCO-16005

Reported:

Seattle WA, 98134

Project Manager: Katie Hendrickson

10/15/02 19:04

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring North Creek Analytical - Bothell

Accessphithylene Anthracene Anthr	Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Accessphithylene Anthracene Anthr	CB-5-1002 (B2J0150-05) Soil Sa	mpled: 10/05/02 (9:00 Recei	ved: 10/05/0	2 13:30					
Anthracene	Acenaphthene	1.62	0.0500	mg/kg dry	5	2J07032	10/07/02	10/09/02	EPA 8270 Mod	
Benzo (a) anthracene	Acenaphthylene	0.0532	0.0500	"	н			н	ir .	
Benzo (a) pyrene	Anthracene	0.484	0.0500	"	н	**	n.	n	Ħ	
Benzo (b) fluoranthene	Benzo (a) anthracene	0.581	0.0500	n	n	#	n	**	Ħ	
Benzo (ghi) perylene	Benzo (a) pyrene	0.944	0.0500	n	p	н	п	n	n	
Benzo (k) Fluoranthene	Benzo (b) fluoranthene	0.797	0.0100		1	"	п	10/09/02	**	
Chrysene	Benzo (ghi) perylene	0.576	0.0500	H	5	*	H	10/09/02	н	
Dibenz (a,h) anthracene	Benzo (k) fluoranthene	0.619	0.0500	n	11		"	"	я	
Fluoranthene	Chrysene	0.779	0.0500	n	**		"	*	н	
Fluorene 1.62	Dibenz (a,h) anthracene	0.102	0.0500	H	Ħ		*	n	n	
Naphthalene	Fluoranthene	2.41	0.0500	H	*	*	•		11	
Naphthalene	Fluorene	1.62	0.0500	*	H	n	"	•	U	
Prene	Indeno (1,2,3-cd) pyrene	0.411	0.0500	"	u	n	"	н	II .	
Pyrene 2.14 0.0500 "	Naphthalene	0.252	0.0500	,,		19	91		n	
CB-5-1002 (B2J0150-05RE1) Soil Sampled: 10/05/02 09:00 Received: 10/05/02 13:30	Phenanthrene	5.82	0.0500	u			n	"	If	
CB-5-1002 (B2J0150-05RE1) Soil Sampled: 10/05/02 09:00 Received: 10/05/02 13:30 Sampled: 10/05/02 13:30 Sampled: 10/05/02 09:00 Received: 10/05/02 13:30 Sampled: 10/05/02 10/16/02 Sampled: 10/05/02 Sampled: 10/05/02 10/16/02 Sampled: 10/05/02 10/16/02 Sampled: 10/05/02 10/16/02 Sampled: 10/05/02 Sampled: 10/05/02 Sampled: 10/05/02 10/16/02 Sampled: 10/05/02 Sample: 10/05/	Pyrene	2.14	0.0500			н			n .	
Acenaphthene Acenaphthylene ND 0.100 " " " " " " " " " " " " " " " " " "	Surrogate: p-Terphenyl-d14	62.8 %	42-141			n	п	"	н	_
Acenaphthylene ND 0.100 " " " " " " " " " " " " " " " " " "	CB-5-1002 (B2J0150-05RE1) Soil	Sampled: 10/05	/02 09:00 R	eceived: 10/	05/02 13:30	<u> </u>				
Anthracene	Acenaphthene	2.26	0.100	mg/kg dry	5	2J10029	10/10/02	10/14/02	EPA 8270 Mod	
Benzo (a) anthracene	Acenaphthylene	ND	0.100	ft		Tr.	n	n	11	
Benzo (a) pyrene 0.736 0.100 " " " " " " " " " " " " " " " " " "	Anthracene	0.697	0.100	,,	n	n	"		11	
Benzo (b) fluoranthene	Benzo (a) anthracene	0.803	0.100	"	•	**	H	11	n	
Benzo (ghi) perylene	Benzo (a) pyrene	0.736	0.100	"	n	10	n	40	n	
Benzo (k) fluoranthene	Benzo (b) fluoranthene	0.648	0.100	n		11	n	•	11	
Chrysene 0.784 0.100 " " " " " " " " " " " " " " " " " "	Benzo (ghi) perylene	0.416	0.100	ji .	н	19	n	"	"	
Dibenz (a,h) anthracene 0.348 0.100 " " " " " " " " " " " " " " " " " " "	Benzo (k) fluoranthene	0.668	0.100	н	n	**	O	m	u	
Fluorenthene 4.76 0.100 " " " " " " " " " " " " " " " " " "	Chrysene	0.784	0.100	n	"	*	ij	H	н	
Fluorene 2.15 0.100 " " " " " " " " " " " " " " " " " "	Dibenz (a,h) anthracene	0.348	0.100	m	v	11	11		"	
Indeno (1,2,3-cd) pyrene	Fluoranthene	4.76	0.100	n		н	·	n	n	
Naphthalene 0.155 0.100 " " " " " " " " " " " " " " " " " " "	Fluorene	2.15	0.100	#	*	67		n		
Phenanthrene 9.64 0.100 " " " " " " " " " " " " " " " " " "	Indeno (1,2,3-cd) pyrene	0.319	0.100	11		11		n	n	
Pyrene 3.25 0.100 " " " " " "	Naphthalene	0.155	0.100	11	н	"	u	p	n	
· · · · · · · · · · · · · · · · · · ·	Phenanthrene	9.64	0.100	"	*	*1	0		и .	
Surrogate: p-Terphenyl-d14 88.0 % 42-141 " " " "	Pyrene	3.25	0.100	**		#	n	ji	11	
	Surrogate: p-Terphenyl-d14	88.0 %	42-141			"	"	"	"	-

North Creek Analytical - Bothell

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1011 SW Klickitat Way, Suite 207

Seattle WA, 98134

Project: Baxter Cove

Project Number: JAGCO-16005 Project Manager: Katie Hendrickson Reported: 10/15/02 19:04

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
CB-6-1002 (B2J0150-06) Soil S	ampled: 10/05/02 0								
Acenaphthene	0.0133	0.0100	mg/kg dry	1		10/07/02	10/09/02	EPA 8270 Mod	
Acenaphthylene	ND	0.0100	Ü	n	11	#	*1		
Anthracene	ND	0.0100	"	11	19	11	P	н	
Benzo (a) anthracene	0.0440	0.0100	и .	и "	p	11	"	11 11	
Benzo (a) pyrene	0.137	0.0100	•	"	"	**	11		
Benzo (b) fluoranthene	0.164	0.0100	"	"	"	**		· u	
Benzo (ghi) perylene	0.111	0.0100		"	"	II.	n	"	
Benzo (k) fluoranthene	0.0799	0.0100	"	•	11	. 11	n	"	
Chrysene	0.129	0.0100	•	11	n	n	**	**	
Dibenz (a,h) anthracene	0.0307	0.0100	n	91	u	**		u u	
Fluoranthene	0.0297	0.0100	u	**	n	"	**	"	
Fluorene	ND	0.0100	**	"	"	"	H	Ħ	
Indeno (1,2,3-cd) pyrene	0.0789	0.0100	Ħ				**	н	
Naphthalene	0.0133	0.0100	"	n	"	**	n	n	
Phenanthrene	0.0307	0.0100	n	11	11	'n	"	#1	
Pyrene	0.0328	0.0100		n	н				
Surrogate: p-Terphenyl-d14	44.5 %	42-141			*	"	"	"	
CB-6-1002 (B2J0150-06RE1) So	ll Sampled: 10/05/	02 08:15 F	teceived: 10/	05/02 13:3				·	
Acenaphthene	0.0259	0.0195	mg/kg dry	1	2J10029		10/13/02	EPA 8270 Mod	
Acenaphthylene	ND	0.0195	rt .	,	н	**	0	n	
Anthracene	ND	0.0195	n	,,	10	"	**	tr .	
Benzo (a) anthracene	0.0878	0.0195	ŧī	"	n	"	п	"	
Benzo (a) pyrene	0.233	0.0195	11	"	11	н	"	"	
Benzo (b) fluoranthene	0.253	0.0195	11	n	н	"	11	ù	
Benzo (ghi) perylene	0.164	0.0195	"	**	н	n	"		
Benzo (k) fluoranthene	0.126	0.0195	н	n	11	"	19	**	
Chrysene	0.174	0.0195	91	11	"		"	"	
Dibenz (a,h) anthracene	0.0918	0.0195	**	11	"	11	11	u.	
Fluoranthene	0.0878	0.0195	"	n	"	11		и	
Fluorene	ND	0.0195	n	"	,,	11	H	11	
Indeno (1,2,3-cd) pyrene	0.124	0.0195	"	н	**	**	,,	и	
Naphthalene	ND	0.0195	н	,,	**	**	**	10	
Phenanthrene	0.0778	0.0195	"	н	и	**	11		
Pyrene	0.0938	0.0195	11	11	11			. н	
Surrogate: p-Terphenyl-d14	65.7 %	42-141			"	n	,,	"	

North Creek Analytical - Bothell

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1011 SW Klickitat Way, Suite 207 Seattle WA, 98134

Project: Baxter Cove

Project Number: JAGCO-16005 Project Manager: Katie Hendrickson

Reported: 10/15/02 19:04

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CB-7-1002 (B2J0150-07) Soil San	npled: 10/05/02 1	0:05 Recei	ved: 10/05/0	2 13:30					X
Acenaphthene	0.146	0.0204	mg/kg dry	1	2J07032	10/07/02	10/09/02	EPA 8270 Mod	
Acenaphthylene	ND	0.0204	"			(1		и	
Anthracene	ND	0.0204				n	,,	n	
Benzo (a) anthracene	0.103	0.0204	**	"	H	11	,,	п	
Benzo (a) pyrene	0.310	0.0204	*	o	**	u	**	н	
Benzo (b) fluoranthene	0.313	0.0204	u			11	u	н	
Benzo (ghi) perylene	0.261	0.0204	11	"	11	11	μ	u	
Benzo (k) fluoranthene	0.170	0.0204	v	"	**	11	n	n ·	
Chrysene	0.277	0.0204		**	**		11	н	
Dibenz (a,h) anthracene	0.0830	0.0204	U		•	n	**	n	
Fluoranthene	0.0517	0.0204			**	ıı	**	**	
Fluorene	0.0245	0.0204		19	"	11	11		
Indeno (1,2,3-cd) pyrene	0.188	0.0204	n		n	11	н	н	
Naphthalene	0.0694	0.0204	tr .	**	31	11	Ħ	"	
Phenanthrene	0.0530	0.0204	"	н	**	"	n	Ħ	
Pyrene	0.0598	0.0204	"			11	**	11	
Surrogate: p-Terphenyl-d14	28.9 %	42-141			"	"	"	н	
CB-7-1002 (B2J0150-07RE1) Soil	Sampled: 10/05	/02 10:05 R	eceived: 10/	05/02 13:30)				
Acenaphthene	0.433	0.0408	mg/kg dry	1	2J10029	10/10/02	10/14/02	EPA 8270 Mod	
Acenaphthylene	ND	0.0408	"		н	ıı	11	"	
Anthracene	0.0408	0.0408	11		,,	п	п		
Benzo (a) anthracene	0.171	0.0408	•			н	п	11	
Benzo (a) pyrene	0.590	0.0408	. "	,,	н '	n	H	n	
Benzo (b) fluoranthene	0.588	0.0408	"		n	n	**	**	
Benzo (ghi) perylene	0.495	0.0408	m				**		
Benzo (k) fluoranthene	0.321	0.0408		"	n	u	"	n	
Chrysene	0.413	0.0408		,		u	н	n	
Dibenz (a,h) anthracene	0.207	0.0408	91		11	u	"	II.	
Fluoranthene	0.171	0.0408	H	w	n	11	#	**	
Fluorene	0.0762	0.0408	"	n	h	11	н	**	
Indeno (1,2,3-cd) pyrene	0.370	0.0408		v	h	n	n	**	
Naphthalene	0.136	0.0408	n	D	Ħ	11	41	11	
Phenanthrene	0.212	0.0408	н	"	,,	11	11	h	
Pyrene	0.177	0.0408		"	n		,,	n	
_ •									

North Creek Analytical - Bothell

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1011 SW Klickitat Way, Suite 207 Seattle WA, 98134 Project: Baxter Cove

Project Number: JAGCO-16005 Project Manager: Katie Hendrickson Reported: 10/15/02 19:04

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CB-8-1002 (B2J0150-08) Soil	Sampled: 10/05/02 0	9:25 Recei	ved; 10/05/02	2 13:30					X
Acenaphthene	10.8	0.247	mg/kg dry	10	2J07032	10/07/02	10/09/02	EPA 8270 Mod	
Acenaphthylene	ND	0.247	**	"		и.		11	
Anthracene	2.75	0.247	n	"	19	11	**	*	
Benzo (a) anthracene	1.84	0.247	**	"	н	н	n	•	
Benzo (a) pyrene	1.74	0.247	11		**	п	n	"	
Benzo (b) fluoranthene	1.51	0.0247	и	1		II .	10/09/02	н	
Benzo (ghi) perylene	1.38	0.247	r	10	**	11	10/09/02	11	
Benzo (k) fluoranthene	1.17	0.247	"	**	u .	11	11	н	
Chrysene	3.23	0.247	"	H	**	**	н	11	
Dibenz (a,h) anthracene	ND	0.247	n	,11		Ħ	**	**	
Fluoranthene	8.64	0.247	**	"	17	*	"	**	
Fluorene	8.25	0.247	If	11	**	**	п	n	
Indeno (1,2,3-cd) pyrene	1.02	0.247	11	**	**	"	#	II .	
Naphthalene	2.42	0.247	н	**	10	н	"	"	
Phenanthrene	19.9	0.247	n		н	н	"	ii.	
Pyrene	7.28	0.247			<u> </u>	*	и		
Surrogate: p-Terphenyl-d14	23.6 %	42-141			*	n	"	"	
CB-8-1002 (B2J0150-08RE1) S	oil Sampled: 10/05	/02 09:25 P	teceived: 10/	05/02 <u>13:3</u>	0			<u> </u>	
Acenaphthene	32.0	0.491	mg/kg dry	10	2J10029	10/10/02	10/14/02	EPA 8270 Mod	
Acenaphthylene	ND	0.491	n	"	**	"	11	H	
Anthracene	5.76	0.491	и	11	n	Ħ	h		
Benzo (a) anthracene	6.77	0.491	u	m	"		. "	н	
Benzo (a) pyrene	4.32	0.491	II .	71		n	h	"	
Benzo (b) fluoranthene	3.66	0.491		p	,11	0		n	
Benzo (ghi) perylene	3.04	0.491	**	11	111	**	н	n ·	
Benzo (k) fluoranthene	2.35	0.491	n	11	**	н	ti	11	
Chrysene	9.06	0.491	11	11	"	11	"	11	
Dibenz (a,h) anthracene	1.73	0.491	n	"	11	ļi.	17	**	
Fluoranthene	37.0	0.491	"		u	11	"	n	
Fluorene	25.2	0.491	"	n	н	n	11	ú	
Indeno (1,2,3-cd) pyrene	2.35	0.491	n	n.	п	n	н	н	
Naphthalene	4.32	0.491	**	,,	11	**	11	**	
Phenanthrene	68.4	2.45	17	50	"	*	10/14/02	н	
Pyrene	24.2	0.491	ft	10	"	"	10/14/02	11	
Surrogate: p-Terphenyl-d14	63.9 %	42-141			"	"		"	

North Creek Analytical - Bothell

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1011 SW Klickitat Way, Suite 207 Seattle WA, 98134 Project: Baxter Cove

Project Number: JAGCO-16005 Project Manager: Katie Hendrickson Reported: 10/15/02 19:04

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
CB-9-1002 (B2J0150-09) Soil Sampled: 10	/05/02 1	1·10 Recei	ved: 10/05/0	2 13-30					
Acenaphthene	3.06	0.125	mg/kg dry	5	2J07032	10/07/02	10/09/02	EPA 8270 Mod	
Acenaphthylene	ND	0.125	"	10	"	"	"	"	
Anthracene	0.234	0.125			,,	•	n	n	
Benzo (a) anthracene	0.167	0.125	u	n		11	н		
Benzo (a) pyrene	0.284	0.125	**	"	,,	"	"	0	
Benzo (b) fluoranthene	0.294	0.0251	n	1	н	•	10/09/02	n	
Benzo (ghi) perylene	0.259	0.125	11	5	"	"	10/09/02	н	
Benzo (k) fluoranthene	0.184	0.125	**	n	n	19	tr	н	
Chrysene	0.393	0.125	*	н	n	,,	"	n	
Dibenz (a,h) anthracene	ND	0.125	Į1	**	U	n		n .	
Fluoranthene	0.820	0.125	n	Ħ		H	11	Ħ	
Fluorene	1.51	0.125	н	**		"	11	**	
Indeno (1,2,3-cd) pyrene	0.176	0.125	n	ħ	H	n	**	n	
Naphthalene	6.56	0.125	II	n	**	h	**		
Phenanthrene	2.84	0.125	,,	**	"		11	n	
Pyrene	0.736	0.125	"	IF.	,	н	N .	п	
Surrogate: p-Terphenyl-d14 2	28.5 %	42-141			**	"	n	"	
CB-9-1002 (B2J0150-09RE1) Soil Sampled	d: 10/05	/02 11:10 R	eceived: 10/	05/02 13:3	0				
Acenaphthene	5.66	0.246	mg/kg dry	5	2J10029	10/10/02	10/14/02	EPA 8270 Mod	
Acenaphthylene	1.67	0.246	н	**		r	**	u	
Anthracene	0.394	0.246	n	11	н	lt .	**	n	
Benzo (a) anthracene	0.361	0.246	"	"		**	**	н	
Benzo (a) pyrene	0.804	0.246	"	**	n	**	**	н	
Benzo (b) fluoranthene	0.902	0.246	n	n		**	**	н	
Benzo (ghi) perylene	0.738	0.246		**		**	**	u .	
Benzo (k) fluoranthene	0.426	0.246	•	ėr .	10	n		н	
Chrysene	0.754	0.246	"	**	11	11	"	n	
Dibenz (a,h) anthracene	0.574	0.246	**	H	19	н	н	. "	
Fluoranthene	1.48	0.246	11	"		"	н	n	
Fluorene	2.46	0.246	u			н	n	11	
Indeno (1,2,3-cd) pyrene	0.525	0.246	11	11	H	n	n	"	
Naphthalene	9.41	0.246	11	"	n	m .	P	**	
Phenanthrene	5.17	0.246	*	**	n		H		
Pyrene	1.02	0.246		"	и		11	•	
1 yr cnc	1.02	0.270							

North Creek Analytical - Bothell

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1011 SW Klickitat Way, Suite 207 Seattle WA, 98134 Project: Baxter Cove

Project Number: JAGCO-16005
Project Manager: Katie Hendrickson

Reported: 10/15/02 19:04

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CB-10-1002 (B2J0150-10) Soil S		10.25 Page	ived: 10/05/	12:30				·	X
·	<u>ampieu: 10/05/02 (</u> 1.45	0.118	mg/kg dry	5 5	2107032	10/07/02	10/09/02	EPA 8270 Mod	
Acenaphthene	0.141	0.118	mg∕kg uiy	,	2307032 n	10/0//02	10/09/02	# #	
Acenaphthylene		0.118	п	11	11	п		17	
Anthracene	1.12	0.118	,,	,,	**		,		
Benzo (a) anthracene	1.56 2.11	0.118	н	••	e		41	н	
Benzo (a) pyrene	1.70	0.0236	,,	1	н	,,	10/09/02	"	
Benzo (b) fluoranthene	1.70	0.0230	н	5		**	10/09/02	n	
Benzo (ghi) perylene		0.118		,,	п		10/07/02	n	
Benzo (k) fluoranthene	1.33		0			et	,,	n	
Chrysene	3.67 0.361	0.118 0.118		71	n	н		"	
Dibenz (a,h) anthracene	0.361 3.89	0.118	11	,,	**			11	
Fluoranthene	1.55	0.118	n	11	,		п	n	
Fluorene				,,	u	н	н		
Indeno (1,2,3-cd) pyrene	1.05	0.118 0.118	,,	11	п	,,	**	н	
Naphthalene	ND 5.83	0.118	,,	н	,,	p	,	n	
Phenanthrene	3.25	0.118	н	91	"		**	h	
Pyrene									
Surrogate: p-Terphenyl-d14	26.2 %	42-141				•	"	"	
CB-10-1002 (B2J0150-10RE1) So	il Sampled: 10/0	5/02 09:35					-		
Acenaphthene	2.69	0.231	mg/kg dry	5	2J10029		10/14/02	EPA 8270 Mod	
Acenaphthylene	ND	0.231		н	H	H	**	"	
Anthracene	1.74	0.231	"	"	n	**	#1	11	
Benzo (a) anthracene	2.46	0.231	ıı	**	н	"	н	"	
Benzo (a) pyrene	2.23	0.231	"	**	n	17	н	"	
Benzo (b) fluoranthene	2.53	0.231	ıı	н	**	н		. "	
Benzo (ghi) perylene	1.66	0.231	II	"	"	**	n	и '	
Benzo (k) fluoranthene	1.65	0.231	н	n		11		II .	
Chrysene	4.77	0.231	**	11		н	н	"	
Dibenz (a,h) anthracene	0.893	0.231	н	н .	п	n	n	n	
Fluoranthene	9.12	0.231	"	10	19	11	11	Ħ	
Fluorene	2.66	0.231	н	17	н	n	•	41	
Indeno (1,2,3-cd) pyrene	1.34	0.231	"	"	н	**	n	и	
Naphthalene	ND	0.231	и	n	11		н	"	
Phenanthrene	11.2	0.231	· ·		**	n	it	n	
Pyrene	6.54	0.231	н	н	#	u .	н	***	
Surrogate: p-Terphenyl-d14	51.0 %	42-141			n	"	"	"	

North Creek Analytical - Bothell

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1011 SW Klickitat Way, Suite 207 Seattle WA, 98134 Project: Baxter Cove

Project Number: JAGCO-16005 Project Manager: Katie Hendrickson Reported: 10/15/02 19:04

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
ST-6-1002 (B2J0150-11) Soil	Sampled: 10/05/02 1	1:30 Receiv	ved: 10/05/02	13:30					
Acenaphthene	48.1	0.101	mg/kg dry	5	2J07032	10/07/02	10/09/02	EPA 8270 Mod	1
Acenaphthylene	0.842	0.101	11	n	н	n	**	Ħ	
Anthracene	14.7	0.101	"	n		**	11	n	1
Benzo (a) anthracene	13.2	0.101	n	n			ti .	н	
Benzo (a) pyrene	4.86	0.101	"	H	n		"	"	
Benzo (b) fluoranthene	5.08	0.101	п	"		n	"	n	
Benzo (ghi) perylene	1.56	0.101	*	"	P	н	"	u u	
Benzo (k) fluoranthene	4.39	0.101	**	"	,,	ŋ	11	u u	
Chrysene	13.2	0.101	ıı	11	P	"	**	u u	
Dibenz (a,h) anthracene	0.815	0.101	H	H	**	*	11	tt .	
Fluoranthene	59.4	0.101	n	n	n	11	n	n	1
Fluorene	48.9	0.101	H			**	11	**]
Indeno (1,2,3-cd) pyrene	1.56	0.101	H	n	"	**	11	h	
Naphthalene	53.3	0.101	v	**	**	"	11	P	1
Phenanthrene	76.8	0.101	"	"	**	н .	н	n	1
Pyrene	43.5	0.101	u	#	n	11	n	п	_ 1
Surrogate: p-Terphenyl-d14	37.1 %	42-141			,,	"	H	"	
HA-1-1002 (B2J0232-01) Soil	Sampled: 10/09/02 (9:45 Recei	ved: 10/09/02	2 14 <u>:</u> 05				· · ·	
Acenaphthene	52.4	1.00	mg/kg dry	100	2J09047	10/09/02	10/10/02	EPA 8270 Mod	
Acenaphthylene	1.58	0.100	n	10		#1	10/10/02	n	
Anthracene	46.0	1.00	'n	100	n	. "	10/10/02		
Benzo (a) anthracene	24.0	0.100	Ħ	10	n	•	10/10/02	**	
Benzo (a) pyrene	10.5	0.100	II.	4		**	**	n	
Benzo (b) fluoranthene	12.2	0.100	n	**			11	n .	
Benzo (ghi) perylene	3.22	0.100	11		**	"	*	u	
Benzo (k) fluoranthene	9.53	0.100	"	**	v	n	n	u	
Chrysene	31.7	1.00	"	100	n	n	10/10/02	n	
Dibenz (a,h) anthracene	1.53	0.100	11	10	10	I†	10/10/02	H	
Fluoranthene	125	1.00	**	100			10/10/02	**	
Fluorene	49.4	1.00	11	н		"	11	**	
Indeno (1,2,3-cd) pyrene	3.39	0.100	H	10	11	,,	10/10/02	n	
Naphthalene	1.96	0.100	11	Ħ	**	"	**	n	
Phenanthrene	159	1.00	ıı	100	Ħ	•	10/10/02	n	
Pyrene	92.5	1.00	**		o	n	н	n	
Surrogate: p-Terphenyl-d14	110 %	42-141			,,	- "	10/10/02	n n	

North Creek Analytical - Bothell

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Kattal 402

1011 SW Klickitat Way, Suite 207

Seattle WA, 98134

Project: Baxter Cove

Project Number: JAGCO-16005 Project Manager: Katie Hendrickson Reported: 10/15/02 19:04

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring North Creek Analytical - Bothell

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CS-10-1002 (B2J0232-02) Soil	Sampled: 10/09/02	10:10 Rece	ived: 10/09/	02 14:05					
Acenaphthene	1.30	0.100	mg/kg dry	10	2J09047	10/09/02	10/10/02	EPA 8270 Mod	
Acenaphthylene	0.135	0.100	11	n	10	**	n	n	
Anthracene	2.17	0.100		"	**	н	11	7	
Benzo (a) anthracene	1.60	0.100	n	"	18	ıı	н	H	
Benzo (a) pyrene	1.28	0.100	-11	**	10	h	11	н	
Benzo (b) fluoranthene	1.47	0.100		n	н		"	11	
Benzo (ghi) perylene	0.638	0.100	u	**		11	11	II.	
Benzo (k) fluoranthene	1.02	0.100	n	**		U	**		
Chrysene	2.07	0.100	n	17		n .	**	n	
Dibenz (a,h) anthracene	0.203	0.100	**	H	**	ıt	11	n	
Fluoranthene	6.88	0.100	n	"	•	"	H	•	
Fluorene	1.76	0.100	11	**		**	"	III	
Indeno (1,2,3-cd) pyrene	0.561	0.100	11	н		*	,,	11	
Naphthalene	ND	0.100	**	и .	"	н	"	"	
Phenanthrene	8.34	0.100	H	n	"	*	11	n	
Pyrene	5.65	0.100		Ħ					
Surrogate: p-Terphenyl-d14	105 %	42-141			"	"	"	,,	
CS-12-1002 (B2J0232-03) Soil	Sampled: 10/09/02	10:10 Rece	eived: 10/09/	02 14:05					
Acenaphthene	344	23.3	mg/kg dry	1000		10/09/02	10/10/02	EPA 8270 Mod	
Acenaphthylene	6.49	0.233	H	10	**	h	10/10/02	"	
Anthracene	207	23.3	"	1000		H	10/10/02	**	
Benzo (a) anthracene	136	23.3	n	u	n	11	н	#	
Benzo (a) pyrene	51.0	23.3	u	**	"	**	19	11	
Benzo (b) fluoranthene	75.7	23.3	ĮI	n	n	u u	Ħ	"	
Benzo (ghi) perylene	11.0	0.233		10	11	"	10/10/02	" '	
Benzo (k) fluoranthene	51.0	23.3	н	1000	11	n	10/10/02	"	
Chrysene	156	23.3	ţi	**	11	Ħ	11	n	
Dibenz (a,h) anthracene	5.70	0.233	"	10	"	п	10/10/02	H	
Fluoranthene	710	23.3	,,	1000	n	P	10/10/02	Ħ	
Fluorene	332	23.3	H	н	•	"	11	H	
Indeno (1,2,3-cd) pyrene	12.9	0.233	11	10	"	**	10/10/02	17	
Naphthalene	131	23.3	n	1000	**	**	10/10/02	н	
Phenanthrene	1110	23.3	"	17	n	*1	H	"	
Pyrene	568	23.3	,,	н		н	91	U	
2 3	508	23.3							

North Creek Analytical - Bothell

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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1011 SW Klickitat Way, Suite 207 Seattle WA, 98134 Project: Baxter Cove
Project Number: JAGCO-160

Project Number: JAGCO-16005
Project Manager: Katie Hendrickson

Reported: 10/15/02 19:04

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CB-11-1002 (B2J0232-04) Soil	Sampled: 10/09/02	11;40 Rece	ived: 10/09/	02 14:05					
Acenaphthene	3.46	0.238	mg/kg dry	10	2J09047	10/09/02	10/10/02	EPA 8270 Mod	
Acenaphthylene	0.287	0.238	"	11		**	"	n .	
Anthracene	0.845	0.238	**	11			n	*	
Benzo (a) anthracene	1.83	0.238	**	**	**	n	n	n	
Benzo (a) pyrene	5.47	0.238		**	**	11	**	n	
Benzo (b) fluoranthene	6.56	0.238	**			•	"	11	
Benzo (ghi) perylene	4.45	0.238	"	11	"		•	n .	
Benzo (k) fluoranthene	2.76	0.238		11		•	,,	н	
Chrysene	4.24	0.238	"	Ħ	**	10	*	н	
Dibenz (a,h) anthracene	1.36	0.238	"	н	11	n	*	н	
Fluoranthene	3.00	0.238	¥	**	**	•	н	"	
Fluorene	1.77	0.238	"	н	•	•		*	
Indeno (1,2,3-cd) pyrene	3.37	0.238	"	**	"	"	n	19	
Naphthalene	0.271	0.238	"	Ħ	"		,	**	
Phenanthrene	2.76	0.238	۳,	н	n	11	н	**	
Pyrene	2.76	0.238	н	н	*1		н	11	
Surrogate: p-Terphenyl-d14	97.5 %	42-141			"	"	#	n	
CS-11-1002 (B2J0232-05) Soil	Sampled: 10/09/02	13:00 Rece	ived: 10/09/	02 14:05					
Acenaphthene	4.65	0.359	mg/kg dry	10	2J09047	10/09/02	10/10/02	EPA 8270 Mod	
Acenaphthylene	0.678	0.359	11			n	n	н	
Anthracene	4.43	0.359	u				п	11	
Benzo (a) anthracene	6.66	0.359	**	**	*	•	m	"	
Benzo (a) pyrene	6.01	0.359	**				"	n	
Benzo (b) fluoranthene	8.74	0.359	11	11	**		"	n .	
Benzo (ghi) perylene	3.25	0.359	11	•	**	n		n	
Benzo (k) fluoranthene	4.24	0.359	"	**	**	"	n	n .	
Chrysene	11.5	0.359	•		**		11	ti .	
Dibenz (a,h) anthracene	1.26	0.359	"	**	"	n		n	
Fluoranthene	18.3	0.359	**	**	**	n	**	"	
Fluorene	3.80	0.359	11	,,,	n	н	11	n	
Indeno (1,2,3-cd) pyrene	2.96	0.359	11	11	IT		•	н	
Naphthalene	ND	0.359	11	**	H	п	tr	n	
Phenanthrene	13.2	0.359	**	11	It			n	
Pyrene	13.4	0.359	11	*	IF	н	**	n	
Surrogate: p-Terphenyl-d14	93.1 %	42-141	· · -		,,	"			

North Creek Analytical - Bothell

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1011 SW Klickitat Way, Suite 207

Seattle WA, 98134

Project: Baxter Cove

Project Number: JAGCO-16005

Project Manager: Katie Hendrickson

Reported: 10/15/02 19:04

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring North Creek Analytical - Bothell

		Reporting						Method	Notes
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed		
CS-13-1002 (B2J0232-06) Soil	Sampled: 10/09/02	13:15 Rece	ived: 10/09/	02 14:05					
Acenaphthene	0.0381	0.0221	mg/kg dry	1	2J09047	10/09/02	10/10/02	EPA 8270 Mod	
Acenaphthylene	ND	0.0221	41		r	**	*	"	
Anthracene	0.0704	0.0221	**	"	n	"	11	II .	
Benzo (a) anthracene	0.110	0.0221	**		**	II	н	11	
Benzo (a) pyrene	0.304	0.0221	. 10	н	11	н	**	11	
Benzo (b) fluoranthene	0.345	0.0221	μ	"	10	п	и .	**	
Benzo (ghi) perylene	0.251	0.0221	**	II.	P	"	**	11	
Benzo (k) fluoranthene	0.191	0.0221	n	**	п	II.		*	
Chrysene	0.236	0.0221	lr .	"	r.	"	n	11	
Dibenz (a,h) anthracene	0.0748	0.0221	ri .			*	17	n	
Fluoranthene	0.194	0.0221	"	*1		•	91	II .	
Fluorene	0.0543	0.0221	и		**	**	"	b	
Indeno (1,2,3-cd) pyrene	0.188	0.0221	o	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	n	"	H	și și	
Naphthalene	ND	0.0221	ıı	**	**	p	**		
Phenanthrene	0.214	0.0221	*	h	•	н	41	"	
Pyrene	0.194	0.0221	н	п		11	p	н	
Surrogate: p-Terphenyl-d14	98.1 %	42-141			"	"	"	n	

North Creek Analytical - Bothell

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1011 SW Klickitat Way, Suite 207 Seattle WA, 98134 Project: Baxter Cove

Project Number: JAGCO-16005 Project Manager: Katie Hendrickson Reported: 10/15/02 19:04

Physical Parameters by APHA/ASTM/EPA Methods North Creek Analytical - Bothell

	Rep	orting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
ST-1-0902 (B2I0661-03) Soil	Sampled: 09/30/02 10:30	Receive	ed: 09/30/0	2 12:45					
Dry Weight	27.2	1.00	%	1	2J01015	10/01/02	10/02/02	BSOPSPL003R07	
ST-2-0902 (B210661-04) Soil	Sampled: 09/30/02 10:35	Receive	d: 09/30/0	2 12:45		_		<u> </u>	
Dry Weight	29.0	1.00	%	1	2J01015	10/01/02	10/02/02	BSOPSPL003R07	
ST-3-0902 (B2I0661-05) Soil	Sampled: 09/30/02 10:40	Receive	d: 09/30/0	2 12:45		<u> </u>			
Dry Weight	37.2	1.00	%	1	2J01015	10/01/02	10/02/02	BSOPSPL003R07	
CS-1-1002 (B2J0104-01) Soil	Sampled: 10/03/02 10:20	Receiv	ed: 10/03/0	2 16:30				- <u>-</u> -	
Dry Weight	74.3	1.00	%	1	2J04012	10/04/02	10/07/02	BSOPSPL003R07	
CS-2-1002 (B2J0104-02) Soil	Sampled: 10/03/02 12:40	Receiv	ed: 10/03/0	2 16:30					
Dry Weight	54.7	1.00	%	1	2J04012	10/04/02	10/07/02	BSOPSPL003R07	
CS-3-1002 (B2J0104-03) Soil	Sampled: 10/03/02 12:15	Receiv	ed: 10/03/(2 16:30					
Dry Weight	66.7	1.00	%	1	2J04012	10/04/02	10/07/02	BSOPSPL003R07	
CS-4-1002 (B2J0104-04) Soil	Sampled: 10/03/02 12:50	Receiv	ed: 10/03/(2 16:30					
Dry Weight	63.0	1.00	%	1	2J04012	10/04/02	10/07/02	BSOPSPL003R07	
CS-5-1002 (B2J0104-05) Soil	Sampled: 10/03/02 12:30	Receiv	ed: 10/03/(02 16:30					
Dry Weight	72.4	1.00	%	. 1	2J04012	10/04/02	10/07/02	BSOPSPL003R07	
CB-1-1002 (B2J0104-06) Soil	Sampled: 10/03/02 11:20	Receiv	ed: 10/03/0	02 16:30					
Dry Weight	65.8	1.00	%	1	2J04012	10/04/02	10/07/02	BSOPSPL003R07	

North Creek Analytical - Bothell

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The RETEC Group. Inc. 1011 SW Klickitat Way, Suite 207 Seattle WA, 98134 Project Number: JAGCO-16005
Project Manager: Katie Hendrickson

Reported: 10/15/02 19:04

Physical Parameters by APHA/ASTM/EPA Methods North Creek Analytical - Bothell

Analyte	Rep Result	orting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CB-2-1002 (B2J0104-07) Soil	Sampled: 10/03/02 12:00	Receive	:d: 10/03/0	2 16:30					
Dry Weight	58.2	1.00	%	1	2J04012	10/04/02	10/07/02	BSOPSPL003R07	
CB-3-1002 (B2J0104-08) Soil	Sampled: 10/03/02 11:40	Receive	ed: 10/03/0	2 16:30					
Dry Weight	75.5	1.00	%	1	2J04012	10/04/02	10/07/02	BSOPSPL003R07	
CB-4-1002 (B2J0104-09) Soil	Sampled: 10/03/02 11:50	Receive	ed: 10/03/0	2 16:30					
Dry Weight	74.6	1.00	%	1	2J04012	10/04/02	10/07/02	BSOPSPL003R07	
ST-4-1002 (B2J0104-10) Soil	Sampled: 10/03/02 13:30		ed: 10/03/0	2 16:30			10/05/03	DCODEDI 003B07	
Dry Weight	42.3	1.00	%	1	2J04012	10/04/02	10/07/02	BSOPSPL003R07	
ST-5-1002 (B2J0104-11) Soil	Sampled: 10/03/02 13:40		ed: 10/03/0			40104100	10/05/05	DOORDI 002D07	
Dry Weight	65.3	1.00	%	1	2J04012	10/04/02	10/07/02	BSOPSPL003R07	
CS-6-1002 (B2J0150-01) Soil			ed: 10/05/0	02 13:30	2107010	10/07/03	10/08/02	BSOPSPL003R07	
Dry Weight	62.5	1.00	%	1	2J07018	10/07/02	10/08/02	BSOFSFLOOSKO	
CS-7-1002 (B2J0150-02) Soil						10/02/02	10/08/02	BSOPSPL003R07	
Dry Weight	56.4	1.00	%	1	2J07018	10/07/02	10/08/02	B3OF31 L003K07	
CS-8-1002 (B2J0150-03) Soil			ed: 10/05/		2J07018	10/07/02	10/08/02	BSOPSPL003R07	
Dry Weight	70.7	1.00	%	1	2307018	10/07/02	10/06/02	Page at Footko	
CS-9-1002 (B2J0150-04) Soil			<u>ed: 10/05/</u>	02 13:30	2107018	10/07/02	10/08/02	BSOPSPL003R07	
Dry Weight	63.7	1.00	%	1	230/018	10/07/02	10/06/02	BBG! G! EUGSKU!	

North Creek Analytical - Bothell

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The RETEC Group. Inc. 1011 SW Klickitat Way, Suite 207 Seattle WA, 98134 Project Number: JAGCO-16005
Project Manager: Katie Hendrickson

Reported: 10/15/02 19:04

Physical Parameters by APHA/ASTM/EPA Methods North Creek Analytical - Bothell

	Rep	orting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CB-5-1002 (B2J0150-05) Soil	Sampled: 10/05/02 09:00	Receiv	ed: 10/05/0	2 13:30					
Dry Weight	68.9	1.00	%	1	2J07018	10/07/02	10/08/02	BSOPSPL003R07	
CB-6-1002 (B2J0150-06) Soil	Sampled: 10/05/02 08:15	Receive	ed: 10/05/0	2 13;30			-		
Dry Weight	65.1	1.00	%	1	2J07018	10/07/02	10/08/02	BSOPSPL003R07	
CB-7-1002 (B2J0150-07) Soil	Sampled: 10/05/02 10:05	Receiv	ed: 10/05/0	2 13:30	_				
Dry Weight	49.0	1.00	%	1	2J07018	10/07/02	10/08/02	BSOPSPL003R07	
CB-8-1002 (B2J0150-08) Soil	Sampled: 10/05/02 09;25	Receiv	ed: 10/05/0	2 13:30					
Dry Weight	40.5	1.00	%	1	2J07018	10/07/02	10/08/02	BSOPSPL003R07	
CB-9-1002 (B2J0150-09) Soil	Sampled: 10/05/02 11:10	Receiv	ed: 10/05/0	2 13:30					
Dry Weight	39.9	1.00	%	1	2J07018	10/07/02	10/08/02	BSOPSPL003R07	
CB-10-1002 (B2J0150-10) Soil	Sampled: 10/05/02 09:35	Recei	ved: 10/05/	/02 13;30					
Dry Weight	42.4	1.00	%	1	2J07018	10/07/02	10/08/02	BSOPSPL003R07	
ST-6-1002 (B2J0150-11) Soil	Sampled: 10/05/02 11:30	Receive	ed: 10/05/0	2 13:30					
Dry Weight	49.5	1.00	%	1	2J07018	10/07/02	10/08/02	BSOPSPL003R07	
HA-1-1002 (B2J0232-01) Soil	Sampled: 10/09/02 09:45	Receiv	ed: 10/09/0	2 14:05					
Dry Weight	52.7	1.00	%	1	2J09030	10/09/02	10/10/02	BSOPSPL003R07	
CS-10-1002 (B2J0232-02) Soil	Sampled: 10/09/02 10:10) Recei	ved: 10/09/	/02 14:05					
Dry Weight	68.5	1.00	%	1	2J09030	10/09/02	10/10/02	BSOPSPL003R07	

North Creek Analytical - Bothell

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The RETEC Group. Inc. 1011 SW Klickitat Way, Suite 207 Seattle WA, 98134 Project: Baxter Cove
Project Number: JAGCO-16005
Project Manager: Katie Hendrickson

Reported: 10/15/02 19:04

Physical Parameters by APHA/ASTM/EPA Methods North Creek Analytical - Bothell

Analyte	•	orting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CS-12-1002 (B2J0232-03) Soil	Sampled: 10/09/02 10:10	Rece	ived: 10/09/0	2 14:05					
Dry Weight	42.9	1.00	%	1	2J09031	10/09/02	10/10/02	BSOPSPL003R07	
CB-11-1002 (B2J0232-04) Soil	Sampled: 10/09/02 11:40	Rece	ived: 10/09/0	2 14:05					
Dry Weight	42.1	1.00	%	1	2J09031	10/09/02	10/10/02	BSOPSPL003R07	
CS-11-1002 (B2J0232-05) Soil	Sampled: 10/09/02 13:00	Rece	ived: 10/09/(2 14:05					
Dry Weight	27.9	1.00	%	1	2J09031	10/09/02	10/10/02	BSOPSPL003R07	
CS-13-1002 (B2J0232-06) Soil	Sampled: 10/09/02 13:15	Rece	ived: 10/09/0	02 14:05	_				
Dry Weight	45.2	1.00	. %	1	2J09031	10/09/02	10/10/02	BSOPSPL003R07	

North Creek Analytical - Bothell

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1011 SW Klickitat Way, Suite 207

Project: Baxter Cove

Project Number: JAGCO-16005

Reported:

Seattle WA, 98134

Project Manager: Katie Hendrickson

10/15/02 19:04

Total Metals by EPA 6000/7000 Series Methods - Quality Control North Creek Analytical - Bothell

			Reporting		Spike	Source		%REC		RPD	
Analyte		Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 2I25032:	Prepared 09/25/02	Using EP	A 3020A		·				_		
Blank (2125032-BL	K1)		i								
Arsenic		ND	0.00100	mg/l							
Copper		ND	0.00100	n							
LCS (2125032-BS1)	_										
Arsenic	•	0.0816	0.00100	mg/l	0.0800		102	80-120		-	
Copper		0.0780	0.00100	н	0.0800		97.5	80-120			
LCS Dup (2125032	-BSD1)										
Arsenic		0.0824	0.00100	mg/l	0.0800		103	80-120	0.976	20	
Copper		0.0786	0.00100	și .	0.0800		98.2	80-120	0.766	20	
Matrix Spike (2125	032-MS1)					Source: B	210496-0)1			
Arsenic		0.0868	0.00100	mg/l.	0.0800	0.00287	105	75-125		_	
Copper		0.106	0.00100	H	0.0800	0.0491	71.1	72-125			Q-01
Matrix Spike Dup	(2125032-MSD1)					Source: B	210496-0)1			
Arsenic		0.0856	0.00100	mg/l	0.0800	0.00287	103	75-125	1.39	20	
Соррег	•	0.122	0.00100	n	0.0800	0.0491	91.1	72-125	14.0	20	
Post Spike (212503	2-PS1)					Source: B	210496-0)1			
Arsenic		0.196	0.00100	mg/l	0.200	0.00287	96.6	75-125			-
Copper		0.247	0.00100	n	0.200	0.0491	99.0	75-125			
Batch 2J01017:	Prepared 10/01/02	Using EF	A 3020A								
Blank (2J01017-BL	.K1)										·
Arsenic		ND	0.00100	mg/l					-		
Copper		ND	0.00100	n							

North Creek Analytical - Bothell

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its

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The RETEC Group. Inc. 1011 SW Klickitat Way, Suite 207 Seattle WA, 98134 Project Number: JAGCO-16005
Project Manager: Katie Hendrickson

Reported: 10/15/02 19:04

Total Metals by EPA 6000/7000 Series Methods - Quality Control North Creek Analytical - Bothell

			Reporting		Spike	Source		%REC		RPD	
Analyte		Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 2J01017:	Prepared 10/01/02	Using El	PA 3020A								
LCS (2J01017-BS	1)										
Arsenic		0.0814	0.00100	mg/l	0.0800		102	80-120			
Соррег		0.0815	0.00100	**	0.0800		102	80-120			
LCS Dup (2J0101	7-BSD1)		. <u>. </u>	··-							
Arsenic		0.0810	0.00100	mg/l	0.0800		101	80-120	0.493	20	
Соррег		0.0804	0.00100	rı .	0.0800		100	80-120	1.36	20	
Matrix Spike (2J0	1017-MS1)				1	Source: I	3210595-0				
Arsenic		0.0805	0.00100	mg/l	0.0800	ND	101	75-125			
Соррег		0.0793	0.00100	11	0.0800	ND	99.1	72-125			
Matrix Spike Dup	(2J01017-MSD1)					Source: I	B210595-0)2			
Arsenic		0.0825	0.00100	mg/l	0.0800	ND	103	75-125	2.45	20	
Copper		0.0804	0.00100	н	0.0800	ND	100	72-125	1.38	20	
Post Spike (2J010	17-PS1)					Source: 1	B210595-()2			
Arsenic		0.0951	0.00100	mg/l	0.100	ND	95.1	75-125			
Copper		0.0996	0.00100		0.100	ND	99.6	75-125			
Batch 2J07011:	Prepared 10/07/02	Using E	PA 3020A								
Blank (2J07011-B	LK1)										
Arsenic		ND	0.00100	mg/l							
Copper		ND	0.00100	n							
LCS (2J07011-BS	51)										
Arsenic		0.0815	0.00100	mg/l	0.0800		102	80-120			
		0.0788	0.00100	10	0.0800		98.5	80-120		•	

North Creek Analytical - Bothell

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Kattal GO

1011 SW Klickitat Way, Suite 207 Seattle WA, 98134 Project: Baxter Cove

Project Number: JAGCO-16005
Project Manager: Katie Hendrickson

Reported: 10/15/02 19:04

Total Metals by EPA 6000/7000 Series Methods - Quality Control North Creek Analytical - Bothell

Analyte		Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2J07011:	Prepared 10/07/02	Using EP		- Carts		Noun	701456	Limits			
LCS Dup (2J0701)		-								•	
Arsenic	1-0301)	0.0803	0.00100	mg/l	0.0800		100	80-120	1.48	20	
Соррег		0.0787	0.00100	11	0.0800		98.4	80-120	0.127	20	
Matrix Spike (2J0	7011-MS1)					Source: E	3210651-0	1			
Arsenic		0.0793	0.00100	mg/l	0.0800	ND	98.9	75-125			
Соррег		0.0775	0.00100	11	0.0800	ND	96.9	70-124			
Matrix Spike Dup	(2J07011-MSD1)					Source: E	3210651-0	1			
Arsenic	<u> </u>	0.0799	0.00100	mg/l	0.0800	ND	99.7	75-125	0.754	20	
Copper		0.0782	0.00100	и	0.0800	ND	97.8	70-124	0.899	20	
Post Spike (2J070	11-PS1)					Source: I	3210651-0	1			
Arsenic		0.0949	0.00100	mg/l	0.100	ND	94.7	75-125			
Copper		0.0984	0.00100	и	0.100	ND	98.4	75-125			
Batch 2J08031:	Prepared 10/08/02	Using EP	A 3020A								_
Blank (2J08031-B)	LK1)										-
Arsenic		ND	0.00100	mg/l	_	-					
Copper		ND	0.00100	н							
LCS (2J08031-BS	1)										
Arsenic		0.0787	0.00100	mg/l	0.0800		98.4	80-120			
Copper		0.0747	0.00100	'n	0.0800		93.4	80-120			
LCS Dup (2J0803	1-BSD1)										_
Arsenic		0.0786	0.00100	mg/l	0.0800		98.2	80-120	0.127	20.	
Copper		0.0758	0.00100	Ħ	0.0800		94.8	80-120	1.46	20	

North Creek Analytical - Bothell

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Page 34 of 54

The RETEC Group. Inc. 1011 SW Klickitat Way, Suite 207 Seattle WA, 98134 Project Number: JAGCO-16005
Project Manager: Katie Hendrickson

Reported: 10/15/02 19:04

Total Metals by EPA 6000/7000 Series Methods - Quality Control North Creek Analytical - Bothell

			Reporting		Spike	Source		%REC		RPD	
Analyte		Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 2J08031:	Prepared 10/08/02	Using EP	A 3020A								
Matrix Spike (2J08)	031-MS1)					Source: B	2J0086-()2		<u> </u>	
Arsenic		0.0852	0.00100	mg/l	0.0800	0.00575	99.3	75-125			
Соррет		0.0738	0.00100	н	0.0800	ND	91.6	70-124			
Matrix Spike Dup (2J08031-MSD1)					Source: B	2J0086-	02			
Arsenic		0.0873	0.00100	mg/l	0.0800	0.00575	102	75-125	2.43	20	
Copper		0.0758	0.00100	**	0.0800	ND	94.1	70-124	2.67	20	
Post Spike (2J0803)	1-PS1)	•		_		Source: E	32J0086-	02			
Arsenic		0.103	0.00100	mg/l	0.100	0.00575	97.2	75-125			
Copper		0.0921	0.00100	H	0.100	ND	91.6	75-125			

North Creek Analytical - Bothell

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Page 35 of 54

1011 SW Klickitat Way, Suite 207 Seattle WA, 98134 Project: Baxter Cove

Project Number: JAGCO-16005 Project Manager: Katie Hendrickson Reported:

RPD

%REC

10/15/02 19:04

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control North Creek Analytical - Bothell

Spike

Source

Reporting

Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 2I24034: Prepared 09/24/02	Using EI	PA 3510C		<u>-</u>						
Blank (2124034-BLK1)										
Acenaphthene	ND	10.0	ug/l	· ·			_			•
Acenaphthylene	ND	10.0	0							
Aniline	ND	10.0	D .					•		
Anthracene	ND	10.0	P							
Benzoic Acid	ND	20.0	Ħ							
Benzo (a) anthracene	ND	10.0	n							
Benzo (b) fluoranthene	ND	10.0	n							
Benzo (k) fluoranthene	ND	10.0	n							
Benzo (ghi) perylene	ND	10.0								
Benzo (a) pyrene	ND	10.0	#							
Benzyl alcohol	ND	10.0								
Bis(2-chloroethoxy)methane	ND	10.0								
Bis(2-chloroethyl)ether	ND	10.0	"							
Bis(2-chloroisopropyl)ether	ND	10.0	n							
Bis(2-ethylhexyl)phthalate	ND	50.0	•							
4-Bromophenyl phenyl ether	ND	10.0								
Butyl benzyl phthalate	ND	10.0								
Carbazole	ND	10.0	Ħ							
4-Chloroaniline	ND	10.0	*							
2-Chloronaphthalene	ND	10.0	п							
4-Chloro-3-methylphenol	ND	10.0								
2-Chlorophenol	ND	10.0	,							
4-Chlorophenyl phenyl ether	ND	10.0	H							
Chrysene	ND	10.0	n							
Dibenz (a,h) anthracene	ND	10.0	n							
Dibenzofuran	ND	10.0	"							
Di-n-butyl phthalate	ND	10.0	11							
1,3-Dichlorobenzene	ND	10.0	n							
1,4-Dichlorobenzene	ND	10.0	11							
1,2-Dichlorobenzene	ND	10.0	11							
3,3'-Dichlorobenzidine	ND	10.0	**							
2,4-Dichlorophenol	ND	10.0	**							
Diethyl phthalate	ND	10.0	10							
2,4-Dimethylphenol	ND	10.0	H							

North Creek Analytical - Bothell

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Page 36 of 54

1011 SW Klickitat Way, Suite 207 Seattle WA, 98134 Project: Baxter Cove

Project Number: JAGCO-16005
Project Manager: Katie Hendrickson

Reported: 10/15/02 19:04

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control North Creek Analytical - Bothell

		Reporting		Spike	Source	_	%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 2124034: Prepared 09/24/02	Using EPA	3510C								
Blank (2124034-BLK1)	· .									
Dimethyl phthalate	ND	10.0	ug/l							
4,6-Dinitro-2-methylphenol	ND	10.0	н							
2,4-Dinitrophenol	ND	20.0	**							
2,4-Dinitrotoluene	ND	10.0	"							
2,6-Dinitrotoluene	ND	10.0	H							
Di-n-octyl phthalate	ND	10.0	н							
Fluoranthene	ND	10.0	"							
Fluorene	ND	10.0	10							
Hexachlorobenzene	ND	10.0	H							
Hexachlorobutadiene	ND	10.0	P							
Hexachlorocyclopentadiene	ND	10.0	н							
Hexachloroethane	ND	10.0	n							
Indeno (1,2,3-cd) pyrene	ND	10.0	,,							
Isophorone	ND	10.0								
2-Methylnaphthalene	ND	10.0								
2-Methylphenol	ND	10.0	**							
3 & 4-Methylphenol	ND	10.0	H							
Naphthalene	ND	10.0	17							
2-Nitroaniline	ND	10.0	"							
3-Nitroaniline	ND	10.0								
4-Nitroaniline	ND	10.0	P							
Nitrobenzene	ND	10.0	**							
2-Nitrophenol	ND	10.0	"							
4-Nitrophenol	ND	10.0	"							
N-Nitrosodiphenylamine	ND	10.0	11							
N-Nitrosodi-n-propylamine	ND	10.0	**							
Pentachlorophenol	ND	10.0	11							
Phenanthrene	ND	10.0	11							
Phenol	ND	10.0	**							
Pyrene	ND	10.0	n							
1,2,4-Trichlorobenzene	ND	10.0	11							
2,4,5-Trichlorophenol	ND	10.0	"							
2,4,6-Trichlorophenol	ND	10.0	n							
Surrogate: 2-FP	30.5		n	50.0		61.0	27-124			

North Creek Analytical - Bothell

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Kattal 400

1011 SW Klickitat Way, Suite 207 Seattle WA, 98134 Project: Baxter Cove

Project Number: JAGCO-16005 Project Manager: Katie Hendrickson Reported: 10/15/02 19:04

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2I24034: Prepared 09/24/02	Using EF	A 3510C						- · <u>-</u>		
Blank (2124034-BLK1)		•								
Surrogate: Phenol-d6	19.2		ug/l	50.0		38.4	12-124		•	
Surrogate: 2,4,6-TBP	33.7		H	50.0		67.4	33-143			
Surrogate: Nitrobenzene-d5	37.0		#	50.0		74.0	35-119			
Surrogate: 2-FBP	39.1		**	50.0		78.2	44-124			
Surrogate: p-Terphenyl-d14	40.9		н	50.0		81.8	10-131			
LCS (2I24034-BS1)										
Acenaphthene	85.1	10.0	ug/l	100		85.1	45-130			
l-Chloro-3-methylphenol	84.4	10.0		100		84.4	37-120			
2-Chlorophenol	81.3	10.0	•	100		81.3	38-120			
,4-Dichlorobenzene	69.5	10.0	*	100		69.5	33-120			
2,4-Dinitrotoluene	78.7	10.0	"	100		78.7	52-120			
l-Nitrophenol	38.3	10.0	H	100		38.3	20-135			
N-Nitrosodi-n-propylamine	79.9	10.0	n	100		79.9	40-120			
Pentachlorophenol	81.2	10.0	n	100		81.2	31-133			
Phenol	41.8	10.0	**	100		41.8	20-120			
Pyrene	86.3	10.0	н	100		86.3	38-123			
,2,4-Trichlorobenzene	70.4	10.0	"	100		70.4	28-120			
Surrogate: 2-FP	29.1		n	50.0		58.2	27-124			
Surrogate: Phenol-d6	20.1		*	50.0		40.2	12-124			
Surrogate: 2,4,6-TBP	41.6		"	50.0		83.2	33-143			
Surrogate: Nitrobenzene-d5	39.5		*	50.0		<i>79.0</i>	35-119			
Surrogate: 2-FBP	40.4		"	50.0		80.8	44-124			
Surrogate: p-Terphenyl-d14	41.8		n	50.0		83.6	10-131			
LCS Dup (2124034-BSD1)		·								
Acenaphthene	86.7	10.0	ug/I	100		86.7	45-130	1.86	49	
-Chloro-3-methylphenol	86.0	10.0	"	100		86.0	37-120	1.88	49	
2-Chlorophenol	77.4	10.0	Þ	100		77.4	38-120	4.91	61	
,4-Dichlorobenzene	65.0	10.0	**	100		65.0	33-120	6.69	26	
2,4-Dinitrotoluene	81.1	10.0	**	100		81.1	52-120	3.00	29	
I-Nitrophenol	40.8	10.0	**	100		40.8	20-135	6.32	37	
N-Nitrosodi-n-propylamine	78.1	10.0	**	100		78.1	40-120	2.28	36	
Pentachlorophenol	83.3	10.0	"	100		83.3	31-133	2.55	32	
Phenol	41.0	10.0	"	100		41.0	20-120	1.93	53	
Pyrene	88.3	10.0	**				_0 .20			

North Creek Analytical - Bothell

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Kortland Orr, PM



503.906.9200 fax 503.906.9210

Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588

18 October 2002

Katie Hendrickson The RETEC Group, Inc. 1011 SW Klickitat Way, Suite 207 Seattle, WA 98134

RE: Baxter Cove

Enclosed are the results of analyses for samples received by the laboratory on 10/11/02 15:50. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kortland Orr

PM



 Seattle
 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244 425.420.9200
 fax 425.420.9210

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 fax 541.382.7588

Portland

The RETEC Group, Inc.

1011 SW Klickitat Way, Suite 207

Seattle WA, 98134

Project: Baxter Cove

Project Number: JAGCO-16005-400

Project Manager: Katie Hendrickson

Reported:

10/18/02 21:07

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS-6-1002	B2J0312-01	Water	10/11/02 13:40	10/11/02 15:50
SS-7-1002	B2J0312-02	Water	10/11/02 13:45	10/11/02 15:50
RCS-2-1002	В2J0312-03	Soil	10/11/02 09:30	10/11/02 15:50
RCB-2-1002	В2J0312-04	Soil	10/11/02 09:45	10/11/02 15:50
RCB-3-1002	В2J0312-05	Soil	10/11/02 13:30	10/11/02 15:50
RCB-8-1002	В2J0312-06	Soil	10/11/02 12:20	10/11/02 15:50
RCS-8-1002	B2J0312-07	Soil	10/11/02 14:15	10/11/02 15:50

North Creek Analytical - Bothell

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North Creek Analytical, Inc. **Environmental Laboratory Network** Page 1 of 13



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Spokane

Portland

The RETEC Group, Inc.

1011 SW Klickitat Way, Suite 207

Seattle WA, 98134

Project: Baxter Cove

Project Number: JAGCO-16005-400

Project Manager: Katie Hendrickson

Reported:

10/18/02 21:07

Total Metals by EPA 6000/7000 Series Methods North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SS-6-1002 (B2J0312-01) Water	Sampled: 10/11/02	13:40 Rece	ived: 10/1	1/02 15:50					
Arsenic	0.00628	0.00100	mg/l	1	2J14003	10/14/02	10/14/02	EPA 6020	
Copper	0.0464	0.00100	Ħ	n	**	"	**	11	
SS-7-1002 (B2J0312-02) Water	Sampled: 10/11/02	13:45 Rece	ived: 10/1	1/02 15:50					
Arsenic	0.00448	0.00100	mg/l	1	2J14003	10/14/02	10/14/02	EPA 6020	
Copper	0.00795	0.00100	**	*	**	"	n	Ħ	

North Creek Analytical - Bothell

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North Creek Analytical, Inc. **Environmental Laboratory Network** Page 2 of 13



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 fax 541.382.7588

Spokane

The RETEC Group, Inc.

Project: Baxter Cove

1011 SW Klickitat Way, Suite 207

Project Number: JAGCO-16005-400

Reported:

Seattle WA, 98134

Project Manager: Katie Hendrickson

10/18/02 21:07

Semivolatile Organic Compounds by EPA Method 8270C North Creek Analytical - Bothell

	•	Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
SS-6-1002 (B2J0312-01) Water	Sampled: 10/11/02	13:40 Rece	ived: 10/1	1/02 15:50					
2-Methylphenol	ND	10.0	ug/l	1	2J12004	10/12/02	10/15/02	EPA 8270C	
3 & 4-Methylphenol	33.4	10.0	11	н .	**	₩	n	n	
Naphthalene	162	20.0	*	2	н		10/15/02	w	
Pentachlorophenol	26.9	10.0	n	1	n	11	10/15/02	n	
Surrogate: 2-FP	44.1 %	27-124			7	"	п		
Surrogate: Phenol-d6	57.4 %	12-124			n	"	"	" .	
Surrogate: 2,4,6-TBP	100 %	33-143			"	,,	n	m	
Surrogate: Nitrobenzene-d5	103 %	35-119			"	"	,,	"	
Surrogate: 2-FBP	92.2 %	44-124			"	"	"	"	
Surrogate: p-Terphenyl-d14	35.8 %	10-131			n	"	*	*	
SS-7-1002 (B2J0312-02) Water	Sampled: 10/11/02	13:45 Rece	ived: 10/1	1/02 15:50					
2-Methylphenol	ND	10.0	ug/l	1	2J12004	10/12/02	10/15/02	EPA 8270C	
3 & 4-Methylphenol	10.9	10.0	#	•	**	**	**	n	
Naphthalene	ND	10.0	н	**		**	н	tr	
Pentachlorophenol	ND	10.0	н	#	H	**	Ħ	н	
Surrogate: 2-FP	33.7 %	27-124			"		"		
Surrogate: Phenol-d6	50.0 %	12-124			#	*	"	,	
Surrogate: 2,4,6-TBP	92.4 %	33-143			•	"	n	*	
Surrogate: Nitrobenzene-d5	97.0 %	35-119			**	Ħ	"	,,	
Surrogate: 2-FBP	101 %	44-124			**	"	"	#	
Surrogate: p-Terphenyl-d14	61.4 %	10-131			"	"	,,	,,	

North Creek Analytical - Bothell

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Kortland Orr, PM

North Creek Analytical, Inc. Environmental Laboratory Network Page 3 of 13



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The RETEC Group, Inc.

1011 SW Klickitat Way, Suite 207

Seattle WA, 98134

Project: Baxter Cove

Project Number: JAGCO-16005-400

Project Manager: Katie Hendrickson

Reported: 10/18/02 21:07

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
RCS-2-1002 (B2J0312-03) Soil	Sampled: 10/11/02	09:30 Rece	ived: 10/11/	02 15:50					***
Acenaphthene	15.2	0.200	mg/kg dry	10	2J12008	10/12/02	10/14/02	EPA 8270 Mod	
Acenaphthylene	0.405	0.200	н .	n	**	11	n	"	
Anthracene	6.55	0.200		**	n	11	**	n	
Benzo (a) anthracene	7.55	0.200	**	н	**	"	**	н	
Benzo (a) pyrene	2.93	0.200	II	11	*	11	₩	tr	
Benzo (b) fluoranthene	2.93	0.200	п	Ħ	**	н	"	u	
Benzo (ghi) perylene	1.02	0.200	•	н		•	п	. "	
Benzo (k) fluoranthene	2.60	0.200	ŧI	n		n	**	н	
Chrysene	5.84	0.200	**	,		н		n	
Dibenz (a,h) anthracene	1.00	0.200		*	**	, н	u	п	
Fluoranthene	36.9	0.200	"	17	n	n	•		
Fluorene	15.7	0.200	u	*		*		**	
indeno (1,2,3-cd) pyrene	0.977	0.200	**	Ħ	**	Ħ	•	**	
Naphthalene	1.55	0.200	**	*	#1	*		Ħ	
Phenanthrene	62.7	1.00	11	50	•		10/15/02	**	
Pyrene	25.0	0.200	11	10	**	n	10/14/02	n	
Surrogate: p-Terphenyl-d14	88.8 %	42-141			"	"	а	"	
RCB-2-1002 (B2J0312-04) Soil	Sampled: 10/11/02	09:45 Rec	eived: 10/11	/02 15:50					
Acenaphthene	1.23	0.0100	mg/kg dry	1	2J12008	10/12/02	10/14/02	EPA 8270 Mod	
Acenaphthylene	0.0216	0.0100	n	•		17	**	**	
Anthracene	0.646	0.0100	u	"	H	"	II .	tr.	
Benzo (a) anthracene	0.466	0.0100	Ħ	"	"	H	Ħ	. "	
Benzo (a) pyrene	0.143	0.0100	**	**	*1	•	**	**	
Benzo (b) fluoranthene	0.144	0.0100	*	"		н		**	
Benzo (ghi) perylene	0.0333	0.0100	"	11	н	n	•	**	
Benzo (k) fluoranthene	0.126	0.0100		и	"	11	41	u	
Chrysene	0.399	0.0100	11	н	"	n	Ħ	"	
Dibenz (a,h) anthracene	0.0374	0.0100	11	•	m	•	n	··	
Fluoranthene	2.40	0.0500	н	5	**	n	10/14/02	Ħ	
Fluorene	1.31	0.0100	н	1	n	**	10/14/02	n	
Indeno (1,2,3-cd) pyrene	0.0383	0.0100		n	**	Ħ	Ħ	11	
Naphthalene	0.0200	0.0100	n	#		**	n	**	
Phenanthrene	4.06	0.0500	9	5		**	10/14/02	**	
Pyrene	1.64	0.0100	u	1	n	Ħ	10/14/02	"	
<u> </u>	87.0 %	42-141					"		

North Creek Analytical - Bothell

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The RETEC Group, Inc.

1011 SW Klickitat Way, Suite 207

Seattle WA, 98134

Project: Baxter Cove

Project Number: JAGCO-16005-400

Project Manager: Katie Hendrickson

Reported:

10/18/02 21:07

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring North Creek Analytical - Bothell

		Reporting				_			
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
RCB-3-1002 (B2J0312-05) Soil	Sampled: 10/11/02	13:30 Reco	eived: 10/11	/02 15:50					
Acenaphthene	0.0169	0.0100	mg/kg dry	1	2J12008	10/12/02	10/14/02	EPA 8270 Mod	
Acenaphthylene	ND	0.0100	"	**		W	**	n	
Anthracene	ND	0.0100	7	*		*	**	п	
Benzo (a) anthracene	ND	0.0100	**	**	**	IT	**	п	
Benzo (a) pyrene	0.0153	0.0100			11	11	**	n	
Benzo (b) fluoranthene	ND	0.0100	n	**	**	"	n	···	
Benzo (ghi) perylene	ND	0.0100	н	Ħ	**	"	**	"	
Benzo (k) fluoranthene	ND	0.0100	**	**	17	Ħ	**	n	
Chrysene	ND	0.0100	н	**	н	"	**	Ħ	
Dibenz (a,h) anthracene	ND	0.0100	*	**		**	"	n	
Fluoranthene	ND	0.0100	н .	**		"	"	n	
Fluorene	ND	0.0100	**	**	"	"	11	•	
ndeno (1,2,3-cd) pyrene	ND	0.0100	**	**	*		ıı	•	
Naphthalene	ND	0.0100	. 11	n	**	11		*	
Phenanthrene	0.0102	0.0100	"	*	•	"	•	n	
Pyrene	ND	0.0100	"	H		"	•		
Surrogate: p-Terphenyl-d14	87.7 %	42-141			n	"	"	п	
RCB-8-1002 (B2J0312-06) Soil	Sampled: 10/11/02	12:20 Rec	eived: 10/11	/02 15:50					
Acenaphthene	0.907	0.0479	mg/kg dry	1	2J12008	10/12/02	10/14/02	EPA 8270 Mod	
Acenaphthylene	0.278	0.0479	"	Ħ	ıı	**	n	w	
Anthracene	0.287	0.0479	н	**	b	n	**	n	
Benzo (a) anthracene	ND	0.0479	**	•	**	n	•	. "	
Benzo (a) pyrene	0.0511	0.0479	*1	"	n	11	и	u	
Benzo (b) fluoranthene	ND	0.0479	#f	n	•	11	п	n	
Benzo (ghi) perylene	ND	0.0479	n	11	**	Ħ	u	Ħ	
Benzo (k) fluoranthene	ND	0.0479	**	**	**	Ħ	n	н	
Chrysene	ND	0.0479	n	n		n	11	11	
Dibenz (a,h) anthracene	ND	0.0479	. "	**	11	"	u	Ħ	
Fluoranthene	0.763	0.0479	11	"	11	"	**	н	
Fluorene	1.01	0.0479	n	**	Ħ	*	**	н	
Indeno (1,2,3-cd) pyrene	ND	0.0479	"	n	Ħ	Ħ	n	n	
Naphthalene	0.265	0.0479	n	H	n	Ħ	"	н	
Phenanthrene	3.06	0.0479	'n	**	w	Ħ	11	n	
Pyrene	0.476	0.0479	Ħ	н	**	"	*	#1	

North Creek Analytical - Bothell

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The RETEC Group, Inc.

1011 SW Klickitat Way, Suite 207

Seattle WA, 98134

Project: Baxter Cove

Project Number: JAGCO-16005-400

Project Manager: Katie Hendrickson

Reported:

10/18/02 21:07

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring North Creek Analytical - Bothell

		Reporting							27.
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
RCS-8-1002 (B2J0312-07) Soil	Sampled: 10/11/02	14:15 Rece	eived: 10/11/	02 15:50					
Acenaphthene	0.902	0.0100	mg/kg dry	1	2J12008	10/12/02	10/14/02	EPA 8270 Mod	
Acenaphthylene	0.0649	0.0100	tt	#	и .	**	71	"	
Anthracene	0.453	0.0100	"	11	#	Ħ	"	II	
Benzo (a) anthracene	0.817	0.0100	u	Ħ	п	Ħ		11	
Benzo (a) pyrene	1.03	0.0100	"	n	n	*	n	#	
Benzo (b) fluoranthene	1.05	0.0100	**	Ħ	7	n	N	m	
Benzo (ghi) perylene	0.987	0.0100	**	н	"	n	W	"	
Benzo (k) fluoranthene	0.866	0.0100	**	n	**	н	n	#	
Chrysene	1.47	0.0100	11	**	**	17	"	n	
Dibenz (a,h) anthracene	0.308	0.0100	11	**	"	н	**	n	
Fluoranthene	2.42	0.0500	n	5΄		"	10/14/02	**	
Fluorene	0.769	0.0100	**	1	•	**	10/14/02	"	
Indeno (1,2,3-cd) pyrene	0.748	0.0100	**	H	*	,,	m	n	
Naphthalene	0.178	0.0100	n	n	n	**	n	tr	
Phenanthrene	2.41	0.0500	**	5	n	n	10/14/02	п	
Pyrene	1.77	0.0100	u	1	11	u	10/14/02	n	
Surrogate: p-Terphenyl-d14	92.2 %	42-141			. "	"	*	н	

North Creek Analytical - Bothell

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The RETEC Group, Inc.

1011 SW Klickitat Way, Suite 207

Seattle WA, 98134

Project: Baxter Cove

Project Number: JAGCO-16005-400

Project Manager: Katie Hendrickson

Reported:

10/18/02 21:07

Physical Parameters by APHA/ASTM/EPA Methods North Creek Analytical - Bothell

	1	Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
RCS-2-1002 (B2J0312-03) Soil	Sampled: 10/11/02 09	:30 Recei	ived: 10/13	1/02 15:50					
Dry Weight	56.0	1.00	%	1	2J13003	10/13/02	10/14/02	BSOPSPL003R07	
RCB-2-1002 (B2J0312-04) Soil	Sampled: 10/11/02 09	:45 Rece	ived: 10/1	1/02 15:50					
Dry Weight	80.1	1.00	%	1	2J13003	10/13/02	10/14/02	BSOPSPL003R07	
RCB-3-1002 (B2J0312-05) Soil	Sampled: 10/11/02 13	:30 Rece	ived: 10/1	1/02 15:50					
Dry Weight	78.7	1.00	%	1	2J13003	10/13/02	10/14/02	BSOPSPL003R07	
RCB-8-1002 (B2J0312-06) Soil	Sampled: 10/11/02 12	:20 Rece	ived: 10/1	1/02 15:50					
Dry Weight	41.7	1.00	%	1	2J13003	10/13/02	10/14/02	BSOPSPL003R07	
RCS-8-1002 (B2J0312-07) Soil	Sampled: 10/11/02 14	:15 Recei	ived: 10/1	1/02 15:50					
Dry Weight	71.9	1.00	%	1	2J13003	10/13/02	10/14/02	BSOPSPL003R07	

North Creek Analytical - Bothell

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The RETEC Group, Inc.

1011 SW Klickitat Way, Suite 207

Seattle WA, 98134

Project: Baxter Cove

Project Number: JAGCO-16005-400

Project Manager: Katie Hendrickson

Reported:

10/18/02 21:07

Total Metals by EPA 6000/7000 Series Methods - Quality Control North Creek Analytical - Bothell

			Reporting		Spike	Source	•	%REC	·	RPD	
Analyte		Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 2J14003:	Prepared 10/14/02	Using E	PA 3020A								
Blank (2J14003-BLK	(1)										
Arsenic		ND	0.00100	mg/l	-						
Соррег		ND	0.00100	n							
LCS (2J14003-BS1)				_							
Arsenic		0.0810	0.00100	mg/l	0.0800		101	80-120			
Copper		0.0791	0.00100	ä	0.0800		98.9	80-120			
LCS Dup (2J14003-I	BSD1)										
Arsenic		0.0812	0.00100	mg/l	0.0800		102	80-120	0.247	20	
Copper		0.0791	0.00100	"	0.0800		98.9	80-120	0.00	20	
Matrix Spike (2J140	03-MS1)					Source: E	2J0223-0)1			
Arsenic		0.0874	0.00100	mg/l	0.0800	0.00656	101	75-125			
Copper		0.0775	0.00100	**	0.0800	ND	96.4	70-124			
Matrix Spike Dup (2	J14003-MSD1)					Source: E	32J0223-0	D1			
Arsenic		0.0891	0.00100	mg/l	0.0800	0.00656	103	75-125	1.93	20	
Copper		0.0799	0.00100	"	0.0800	ND	99.4	70-124	3.05	20	
Post Spike (2J14003	-PS1)					Source: I	32J0223-	01			
Arsenic		0.209	0.00100	mg/l	0.200	0.00656	101	75-125			
Copper		0.196	0.00100	**	0.200	ND	97.8	75-125			

North Creek Analytical - Bothell

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The RETEC Group, Inc.

Project: Baxter Cove

1011 SW Klickitat Way, Suite 207

Project Number: JAGCO-16005-400

Reported:

Seattle WA, 98134

Project Manager: Katie Hendrickson

10/18/02 21:07

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control North Creek Analytical - Bothell

			Reporting		Spike	Source		%REC		RPD	
Analyte		Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 2J12004: Pr	epared 10/12/02	Using EP	A 3520C								
Blank (2J12004-BLK1)											
2-Methylphenol		ND	10.0	ug/l							
3 & 4-Methylphenol		ND	10.0	*							
Naphthalene		ND	10.0								
Pentachlorophenol		ND	10.0	•							
Surrogate: 2-FP		32.6		н	50.0		65.2	27-124		<u>-</u>	
Surrogate: Phenol-d6		33.9		"	50.0		67.8	12-124			
Surrogate: 2,4,6-TBP		47.2		*	50.0		94.4	<i>33-143</i>			
Surrogate: Nitrobenzene-d5		51.9		*	50.0		104	35-119			
Surrogate: 2-FBP		49.7		*	50.0		99.4	44-124			
Surrogate: p-Terphenyl-d14		42. I		"	50.0		84.2	<i>10-131</i>			
LCS (2J12004-BS1)											
Pentachlorophenol		88.2	10.0	ug/l	100		88.2	31-133			
Surrogate: 2-FP		16.6		п	50.0		33.2	27-124			
Surrogate: Phenol-d6		26.9		*	50.0		53.8	12-124			
Surrogate: 2,4,6-TBP		44.0		"	50.0		88.0	33-143			
Surrogate: Nitrobenzene-d5		44.8		n	50.0		89.6	35-119			
Surrogate: 2-FBP		44.5		n	50.0		89.0	44-124			
Surrogate: p-Terphenyl-d14		41.0		"	50.0		82.0	10-131			
LCS Dup (2J12004-BS)	D1)										
Pentachlorophenol		87.7	10.0	ug/l	100		87.7	31-133	0.569	. 32	
Surrogate: 2-FP		19.6		n	50.0		39.2	27-124			
Surrogate: Phenol-d6		29.4		"	50.0		58.8	12-124			
Surrogate: 2,4,6-TBP		43.6		"	50.0		<i>87.2</i>	33-143			
Surrogate: Nitrobenzene-d5		45.4		"	50.0		90.8	35-119			
Surrogate: 2-FBP		47.9		"	50.0		95.8	44-124			
Surrogate: p-Terphenyl-d14		42.3		**	50.0		84.6	10-131			

North Creek Analytical - Bothell

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The RETEC Group, Inc.

1011 SW Klickitat Way, Suite 207

Seattle WA, 98134

Project: Baxter Cove

Project Number: JAGCO-16005-400

Project Manager: Katie Hendrickson

Reported: 10/18/02 21:07

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring - Quality Control North Creek Analytical - Bothell

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Note
Batch 2J12008: Prepared 10	/12/02 Using EP	A 3545								
Blank (2J12008-BLK1)					•				_	
Acenaphthene	ND	0.0100	mg/kg	-						
Acenaphthylene	ND	0.0100	**							
Anthracene	ND	0.0100	4							
Benzo (a) anthracene	ND	0.0100	11							
Benzo (a) pyrene	ND	0.0100	"							
Benzo (b) fluoranthene	ND	0.0100	**							
Benzo (ghi) perylene	ND	0.0100	п							
Benzo (k) fluoranthene	ND	0.0100	Ħ							
Chrysene	ND	0.0100	Ħ							
Dibenz (a,h) anthracene	ND	0.0100	n							
Fluoranthene	ND	0.0100	**							
Fluorene	ND	0.0100	n							
Indeno (1,2,3-cd) pyrene	ND	0.0100	•							
Naphthalene	ND	0.0100	**							
Phenanthrene	ND	0.0100	m							
Pyrene	ND	0.0100	Ħ							
Surrogate: p-Terphenyl-d14	1.64		π	1.67		98.2	42-141			
LCS (2J12008-BS1)										
Chrysene	0.302	0.0100	mg/kg	0.333		90.7	54-112			
Fluorene	0.311	0.0100	n	0.333		93.4	51-107			
Indeno (1,2,3-cd) pyrene	0.331	0.0100	11	0.333		99.4	46-103	·		
Surrogate: p-Terphenyl-d14	1.55		"	1.67		92.8	42-141			
LCS Dup (2J12008-BSD1)										
Chrysene	0.307	0.0100	mg/kg	0.333		92.2	54-112	1.64	37	
Fluorene	0.322	0.0100	"	0.333		96.7	51-107	3.48	43	
Indeno (1,2,3-cd) pyrene	0.325	0.0100	"	0.333		97.6	46-103	1.83	39	
Surrogate: p-Terphenyl-d14	1.63		н	1.67		97.6	42-141			

North Creek Analytical - Bothell

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The RETEC Group, Inc.

1011 SW Klickitat Way, Suite 207

Seattle WA, 98134

Project: Baxter Cove

Project Number: JAGCO-16005-400

Project Manager. Katie Hendrickson

Reported:

10/18/02 21:07

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring - Quality Control North Creek Analytical - Bothell

		Reporting			Spike	Source		%REC	RPD		
Analyte		Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 2J12008:	Prepared 10/12/02	Using EP	A 3545								
Matrix Spike (2J120	08-MS1)	•				Source: I	32J0312-0)3			
Chrysene		2.36	0.200	mg/kg dry	1.19	5.84	-292	29-143			Q-02
Fluorene		5.58	0.200	tt	1.19	15.7	-850	36-134			Q-02
Indeno (1,2,3-cd) pyrene	;	1.14	0.200	11	1.19	0.977	13.7	19-138			Q-02
Surrogate: p-Terphenyl-	d14	5.08		m .	5.96		85.2	42-141			
Matrix Spike Dup (2	J12008-MSD1)					Source: I	32J0312-0	3		·	
Chrysene		1.86	0.200	mg/kg dry	1.19	5.84	-334	29-143	23.7	44	Q-02
Fluorene		3.69	0.200	**	1.19	15.7	-1010	36-134	40.8	52	Q-02
Indeno (1,2,3-cd) pyrene		1.07	0.200	11	1.19	0.977	7.82	19-138	6.33	43	Q-02
Surrogate: p-Terphenyl-	114	5.17		"	5.96		86.7	42-141			

North Creek Analytical - Bothell

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North Creek Analytical, Inc. **Environmental Laboratory Network** Page 11 of 13



The RETEC Group, Inc.

1011 SW Klickitat Way, Suite 207

Seattle WA, 98134

Project: Baxter Cove

Project Number: JAGCO-16005-400

Project Manager: Katie Hendrickson

Reported:

10/18/02 21:07

Physical Parameters by APHA/ASTM/EPA Methods - Quality Control North Creek Analytical - Bothell

Analyte		Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2J13003:	Prepared 10/13/02	Using Dr	y Weight								
Blank (2J13003-B)	LK1)										
Dry Weight		100	1.00	%		•					

North Creek Analytical - Bothell

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503.324.3200 Tax 509.324.3290 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132 503.906.9200 Tax 503.906.9210 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711 541.383.9310 Tax 541.382.7588

The RETEC Group, Inc.

1011 SW Klickitat Way, Suite 207

Seattle WA, 98134

Project: Baxter Cove

Project Number: JAGCO-16005-400

Project Manager: Katie Hendrickson

Reported:

10/18/02 21:07

Notes and Definitions

Q-02 The spike recovery for this QC sample is outside of NCA established control limits due to sample matrix interference.

DET Analyte DETECTED

Analyte NOT DETECTED at or above the reporting limit ND

NR Not Reported

dry Sample results reported on a dry weight basis

Relative Percent Difference RPD

North Creek Analytical - Bothell

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Kortland Orr, PM

North Creek Analytical, Inc. **Environmental Laboratory Network** Page 13 of 13

Chain of Custody Record No. 100198

The Retec Group 1011 S.W. Kilokitat Way, Suite 207 • Seattle, WA 98134-1162 (206) 624-9349 Phone • (206) 624-2839 Fax

B250312



Project Name: Bayter Corl Send Report To: Katil Heindriuson	Project Numb	er: Jithic	0 - 1600s he Hendi	-40p			7		7	$ \top $	$\overline{}$	7	7	7	7	777		
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Phone: (201) 624-9349	Laboratory Ro	eceiving: N	CA		₹/	14		A	1. 2. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	[/] ૨/	/´<		/ /	/ /	' /	/ Purchase Order #:		
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Appendix B

Laboratory Analytical Results – Upland Excavation Confirmation Samples

RETEC ANALYTICAL DATA VERIFICATION CHECKLIST

Project Name: J. H. Baxter S. Property	Laboratory: North Creek Analytical, Inc., Bothell, WA
Project Reference: J. H. Baxter S. Property	Sample Matrix: Soil
RETEC Project No.: VULAN-16672-700	Sample Start Date: 08/20/2004
Verified By/Date Verified: Sue Milcan 01/17/2005 (completed)	Sample End Date: 09/14/2004

Samples Analyzed:

Matrix	Sample ID	Sample Date	Sample Time	Lab SDG	Lab ID
Soil	DS1082004-5'	8/20/2004	14:00	B4H0566	B4H0566-01
Soil	DS2082004-5'	8/20/2004	14:05	B4H0566	B4H0566-02
Soil	DS3082004-4'	8/20/2004	14:10	B4H0566	B4H0566-03
Soil	DS4082004-4.5'	8/20/2004	14:15	B4H0566	B4H0566-04
Soil	DS5082004-3.5'	8/20/2004	14:20	B4H0566	B4H0566-05
Soil	DS6082004-4'	8/20/2004	14:25	B4H0566	B4H0566-06
Soil	DS7082004-4'	8/20/2004	14:30	B4H0566	B4H0566-07
Soil	DS8082004-3'	8/20/2004	14:35	B4H0566	B4H0566-08
Soil	DS9082004-3'	8/20/2004	14:40	B4H0566	B4H0566-09
Soil	DS10082004-4'	8/20/2004	14:45	B4H0566	B4H0566-10
Soil	DF1082004 GW	8/20/2004	14:50	B4H0566	B4H0566-11
Soil	DF2082004 GW	8/20/2004	14:55	B4H0566	B4H0566-12
Soil	DF3082004 GW	8/20/2004	15:00	B4H0566	B4H0566-13
Soil	DF4082004 GW	8/20/2004	15:05	B4H0566	B4H0566-14
Soil	CS1091404-5'	9/14/2004	08:55	B410323	B4I0323-01
Soil	CS2091404-4.5'	9/14/2004	09:00	B4I0323	B4I0323-02
Soil	CS3091404-5'	9/14/2004	09:03	B410323	B4I0323-03
Soil	CS4091404-5'	9/14/2004	09:09	B4I0323	B4I0323-04
Soil	CS5091404-5'	9/14/2004	09:11	B410323	B410323-05
Soil	CS6091404-5'	9/14/2004	09:16	B4I0323	B410323-06
Soil	CS7091404-4.5'	9/14/2004	09:25	B4I0323	B410323-07
Soil	CS8091404-4.5'	9/14/2004	09:30	B410323	B410323-08
Soil	CS9091404-4.5'	9/14/2004	09:34	B410323	B410323-09
Soil	CS10091404-4.5'	9/14/2004	09:36	B4I0323	B4I0323-10
Soil	CS11091404-4.5'	9/14/2004	13:52	B4I0323	B4I0323-11
Soil	CS12091404-5'	9/14/2004	13:56	B4I0323	B4I0323-12
Soil	CS1309140-4.5'	9/14/2004	14:00	B410323	B4I0323-13
Soil	CF109140-GW	9/14/2004	09:12	B410323	B4I0323-14
Soil	CF209140-GW	9/14/2004	09:30	B4I0323	B4I0323-15
Soil	CF309140-GW	9/14/2004	09:45	B4I0323	B4I0323-16
Soil	CF409140-GW	9/14/2004	09:55	B410323	B4I0323-17

Parameters Verified: Polynuclear Aromatic Hydrocarbons (PAHs) by GC/MS method 8270C.

Laboratory Project IDs: B4H0566, B4I0323					,	
PRECISION, ACCURACY, METHOD COM	PLIAN	ICE, AND COM	/PLE	TENESS ASSES	SMENT	
Precision:	Х	Acceptable		Unacceptable	SM	Initials
Comments: Precision is the measure of variability of determined for this sampling round since field dupl precision was determined by examination of laboral precision was done using the Relative Percent Different duplicate samples divided by the mean and express limits. No data require qualification based on this acceptable. Precision measurements are reviewed in	icate story du nce (R ed as meas	samples were uplicate results PD). The RPD a percent. RI urement, and	not s . Eva is de PD lir	submitted for and aluation of labora afined as the diffe mits referenced t	alysis. Latory duplinates the control of the contro	aboratory icates for ween two shed QC
Accuracy:	X	Acceptable		Unacceptable	SM	Initials
Comments: Field accuracy, a measure of the samplin equipment rinse, and/or trip blank samples were not accuracy, a measure of the system bias, was meas control sample duplicate (LCS, LCSD), matrix spike monitoring compounds (surrogate) percent recoveries performance. MS and MSD %Rs provided inform compound or surrogate recoveries measured system %Rs were compared to EPA published and/or labora based on these measurements, and overall labora reviewed in items 12, 14, 15, 16, and 20.	submitured by and notice (%Rs notion of performation of the story of the submiture of the s	tted for analysion evaluating lanatrix spike du). LCS and LC on sample marmance and ef- control charted	s or or abora plicates SD % atrix ficien QC I	else were not red tory control sam te (MS, MSD), and 6Rs demonstrate interferences. So toy during organi imits. No data re	quired. La ple and la ple and organical overall System malysis equire qu	aboratory aboratory c system analytical nonitoring s. These alification
Method Compliance:	х	Acceptable		Unacceptable	SM	Initials
Comments: For this data set, method compliance was holding time, and laboratory blanks against method systandard areas were also considered, even though laboratory comments was not provided in this lever qualification based on low internal standard area (see the data submitted, since a majority of the data is measurements are reviewed in items 4, 6, 8, 11, 13, 15	pecified suppor of d item t unqua	d requirements ting document ata package s 19), overall met alified and no	. Late ation submits the detection to th	poratory flags ind to fully evaluate ittal. Although s compliance is acc	icating love the impassome data ceptable,	w internal act of the a require based on
Completeness:	Х	Acceptable		Unacceptable	SM	Initials
Comments: Completeness is the overall ratio of the nuvalid analyses. Completeness goals are set at 90-100 of custody records, laboratory analytical methods, and the laboratory sample data results and QC summary qualification. Since no data were rejected or missing, acceptable.	%. De detec repor	etermination of tion limits. Cor ts. All of the s	comp npleto submi	oleteness include eness also includ itted data were u	d a review ed 100% seable, s	of chain review of ome with
VERIFICATIO	N CRI	TERIA CHECK	(
Data verification qualifiers used in this review:					·	
UJ – undetected, reporting limit is estimated						
Refer to the Table of Qualified Analytical Results qualified (attached at the end of this Checklist).	for a i	isting of the s	ampl	les, analytes, an	d concer	ntrations

Did the laboratory identify any non-conformances related to the analytical results?	Х	Yes		No	SM	Initials				
Explanation by laboratory: Laboratory case narrative assigned laboratory flags were evaluated during the data	ita review p	rocess.				ever, any				
Data qualification, if any, related to the assigned labora	tory flags a	re discuss	sed in the fo	llowing se	ections.					
2. Were sample Chain-of-Custody forms complete?	Х	Yes		No	SM	Initials				
Comments: Samples were delivered directly from the were complete, and custody was maintained as evide times of receipt.	field to the nced by fiel	laborator d and lab	y. COC re oratory pers	cords from	n field to l natures, d	aboratory ates, and				
3. Were all the analyses requested for the samples on the COCs completed by the laboratory?	X	Yes		No	SM	Initials				
Comments: All requested analyses as documented on the original COCs were completed by the laboratory.										
4. Were samples received in good condition and at the appropriate temperature?	X	Yes	· · · · · · · · · · · · · · · · · · ·	No	SM	Initials				
Comments: Samples were received intact and in good condition. Samples were delivered directly from the field to the laboratory at the close of the sampling event each day. Therefore, although cooler receipt temperatures were elevated (close to room temperature at 20.4°C to 22.5°C), no action is required since no opportunity existed for compromised condition due to sample shipping. No action is required for this level of review other than to note this observation.										
Were the requested analytical methods in compliance with WP/QAPP, permit, or COC?	X	Yes		No	SM	Initials				
Comments: Reported methods were in compliance with	th COC reco	ords or are	e applicable	for the re	quested a	nalytes.				
6. Were detection limits in accordance with WP/QAPP, permit, or method?	X	Yes		No	SM	Initials				
Comments: Reporting limits (RLs) are achievable be diluted levels due to high target analyte concentration appropriately. Additionally, the RLs for soil results accommodate the percent moisture content.	or matrix in	terference	e. The RLs	for diluted	i results w	ere raised				
7. Do the laboratory reports include only those constituents requested to be reported for a specific analytical method?	X	Yes		No	SM	Initials				
Comments: Only the requested target analytes were r	eported.									
8. Were sample holding times met?	X	Yes		No	SM	Initials				
Comments: Extraction and analytical holding times we	ere met for a	all sample:	S		_					
Were correct concentration units reported?	Х	Yes		No	SM	Initials				
Comments: Correct concentration units were reported	d. Soil PAH	results a	re reported	as mg/kg	dry weight	(ppm).				
10. Were the reporting requirements for flagged data met?	X	Yes		No	SM	Initials				
Comments: Data validation qualifiers override any ass	signed labor	atory data	a flags.			,				

11. Were laboratory blank samples free of target analyte contamination?	X	Yes		No	SM	Initials
Comments: The reported laboratory blanks were free	of target and	alyte conta	amination.		_	
12. Were trip blank, field blank, and/or equipment rinse blank samples free of target analyte contamination?		Yes		No	SM	Initials
Comments: Not applicable - Field blank and equipme blank samples are not applicable to the method. Field				t submitte	ed for anal	ysis. Trip
13. Were instrument calibrations within method or data validation control limits?		Yes		No	SM	Initials
Comments: Not applicable for this level of data ver analytical laboratory reports and were therefore not inc				n data w	ere not s	upplied in
14. Were surrogate recoveries within control limits?	х	Yes		No	SM	Initials
Comments: Surrogate %Rs were within the stated la associated QC samples.	boratory co	ntrol-char	ted QC limi	ts for all p	project san	nples and
15. Were laboratory control sample recoveries within control limits?	x	Yes		No	SM	Initials
Comments: Supplied LCS and LCSD %Rs were within target analytes, and were also within laboratory control						
16. Were matrix spike recoveries within control limits?	X	Yes		No	SM	Initials
Comments: Reported MS and MSD %Rs for target charted QC limits for the reported target analytes.	analytes w	ere within	n data valid	lation and	laborator	y control-
17. Were duplicate RPDs and/or serial dilution %Ds within control limits?	X	Yes		No	SM	Initials
Comments: Laboratory RPDs for target analytes in validation and laboratory control charted QC limits for t				nples wei	re within I	ooth data
18. Were organic system performance criteria met?	_	Yes		No	SM	Initials
Comments: Not applicable for this level of data verificanalytical laboratory reports and was therefore not incl				nce data	was not s	upplied in
19. Were internal standards within method criteria for GC/MS sample analyses?		Yes		No	SM	Initials
Comments: Not applicable for this level of data verifical laboratory reports and was therefore not include the laboratory as noted below.						
Laboratory SDG B4H0566: Assigned laboratory fla standard area in sample DF3082004 GW. Matrix is confirmed in reanalysis. The degree of nonce Associated target analytes in sample DF3082004 (estimated reporting limits due to confirmed matrix	interferenc ompliance GW require	e affectir was no UJ quali	ig the inter t provided	nal stand in the	dard recordance laboratory	very was y report.
Refer to the Table of Qualified Analytical Results	for a listing	g of the s	amples, ar	nalytes, a	nd conce	ntrations

				1	
20. Were inorganic system performance criteria met?	L	Yes	No	SM	Initials
Comments: Not applicable for the reported method or	for this leve	of data ve	rification.	_ 	
21. Were blind field duplicates collected? If so, discuss the precision (RPD) of the results.	X	Yes	No	SM	Initials
Duplicate Sample No.		nary Samp			
Comments: Not applicable - Field duplicate sample precision was not evaluated.	s were not	submitted	for analysis with	this data s	set. Field
22. Were qualitative/quantitative criteria for organic target analyte identification met?		Yes	No	SM	Initials
Comments: Not applicable for this level of data verification not supplied in analytical laboratory reports and were to	cation – GC therefore no	/MS quant t included	itation reports and o in this data review.	chromatog	rams were
23. Were 100% of the EDD concentrations and reporting limits compared to the hardcopy data reports?	1	Yes	No	SM	Initials
Comments: Not applicable - EDDs were not submitted	d for this da	ta set.			·
24. General Comments:					
Data were evaluated based on validation criteria se Functional Guidelines for Organic Data Review, do applied to the reported methodology.	cument nur	mber EPA	540/R-99/008 Of O	Clober 198	es as they
Refer to the Table of Qualified Analytical Results qualified (attached at the end of this Checklist).	for a listin	g of the s	amples, analytes,	and conc	entrations

Table of Qualified Analytical Results J. H. Baxter S. Property Soil Samples

North Creek Analytical, Inc. Reports B4H0566 and B4I0323 August – September 2004

Sample ID	Matrix	Lab SDG	Method	Analyte	Concentration	Qualifier	Reason Code
DF3082004 GW	Soil	B4H0566	8270C	Benzo(a)pyrene	< 0.330 mg/kg	UJ	Low IS
DF3082004 GW	Soil	B4H0566	8270C	Benzo(b)fluoranthene	< 0.330 mg/kg	UJ	Low IS
DF3082004 GW	Soil	B4H0566	8270C	Benzo(k)fluoranthene	< 0.330 mg/kg	UJ	Low IS
DF3082004 GW	Soil	B4H0566	8270C	Benzo(ghi)perylene	< 0.330 mg/kg	UJ	Low IS
DF3082004 GW	Soil	B4H0566	8270C	Dibenz(a,h)anthracene	< 0.330 mg/kg	UJ	Low IS
DF3082004 GW	Soil	B4H0566	8270C	Indeno(123-cd)pyrene	< 0.330 mg/kg	UJ	Low IS

Qualifier definitions:

UJ - undetected, reporting limit is estimated

Reason Codes:

Low IS - Internal standard area is low due to confirmed matrix interference



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503.906.9200 fax 503.906.9210
20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588
2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
907.563.9200 fax 907.563.9210

Spokane Portland

Anchorage

19 September 2004

Mike Byers The RETEC Group, Inc. 1011 SW Klickitat Way, Suite 207 Seattle, WA 98134

RE: J.H. Baxter S. Property

Enclosed are the results of analyses for samples received by the laboratory on 09/14/04 15:55. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Amar Gill

Project Manager

Chain of Custody Record

Nº 100815

B4I0323

The RETEC Group, Inc.
1011 S.W. Kilckitat Wey, Suite 207 • Seattle, WA 98134-1162
(206) 624-9349 Phone • (206) 624-2839 Fax



Project Name: 5-H. Parter	Project Number:				/ \(\)	7	77	77	7,	T	1	2
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Phone: 206-624-9349	Laboratory Receiving:					/ /	//	' / /		/ Order #:		
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Field Sample ID	Sample Sample Date Time	Sample Matrix C	umber of ontainers			\bot				Instructions, etc.	(to be complete	ed by lab)
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C52091404-4,5	0914040900	Soil	1	Δ								-02
CS3091404-5	091404 0903	soil	1	X								-03
CS4091404-5	0914040909	soil	1	X						MIN		-04
CS5091404-5	094040911	Soil	7 0	X						1/3		-05
C56091404-5	091404 0916	1 - 1		X						72		_06
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CS10091404-45	091404 6936	-	7	X								_ 10
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Chain of Custody Record

Nº 10º814

B4I0323

The RETEC Group, Inc.

1011 S.W. Klickitat Way, Suite 207 - Seattle, WA 98134-1162

1011 S.W. Rickflat Way, Suns 201 - Seattle, WA: (206) 694-9349 Phone - (206) 624-2839 Fex www.seatcom



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Phone: 206-624-9349	Laboratory Rec	eiving:			L		/ ,	/ /			//				
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Relinquished by: (Signature)	Received by: (Sig	nature)		Date;		Time:	_	. .			D	_	ļ	Total # Containers Received?	
Kelinquished by: (Signature)	Doan		ont	9/1	4/04	12.23		Level	l 11		Routine 24 Hou		↲	COC Seals Present? COC Seals Intact?	
Relinquished by: (Signature)	Repaired by: (Si	U		Date:		Time:		Level	11 111		1 Week		1	Received Containers Intact?	
remedianian n. (adhama)			•					Other			Other_			Temperature?	20.4



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907.563.9200 fax 907.563.9210

Project: J.H. Baxter S. Property The RETEC Group, Inc. Project Number: VULAN-16672-700 1011 SW Klickitat Way, Suite 207

Project Manager: Mike Byers Seattle, WA 98134

Reported:

09/19/04 11:13

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
CS1091404-5	B4I0323-01	Soil	09/14/04 08:55	09/14/04 15:55
CS2091404-4.5	B4I0323-02	Soil	09/14/04 09:00	09/14/04 15:55
CS3091404-5	B4I0323-03	Soil	09/14/04 09:03	09/14/04 15:55
CS4091404-5	B4I0323-04	Soil	09/14/04 09:09	09/14/04 15:55
CS5091404-5	B4I0323-05	Soil	09/14/04 09:11	09/14/04 15:55
CS6091404-5	B4I0323-06	Soil	09/14/04 09:16	09/14/04 15:55
CS7091404-4.5	B4I0323-07	Soil	09/14/04 09:25	09/14/04 15:55
CS8091404-4.5	B4I0323-08	Soil	09/14/04 09:30	09/14/04 15:55
CS9091404-4.5	B4I0323-09	Soil	09/14/04 09:34	09/14/04 15:55
CS10091404-4.5	B4I0323-10	Soil	09/14/04 09:36	09/14/04 15:55
CS11091404-4.5	B4I0323-11	Soil	09/14/04 13:52	09/14/04 15:55
CS12091404-5	B4I0323-12	Soil	09/14/04 13:56	09/14/04 15:55
CS1309140-4.5	B4I0323-13	Soil	09/14/04 14:00	09/14/04 15:55
CF109140-GW	B4I0323-14	Soil	09/14/04 09:12	09/14/04 15:55
CF209140-GW	B4I0323-15	Soil	09/14/04 09:30	09/14/04 15:55
CF309140-GW	B4I0323-16	Soil	09/14/04 09:45	09/14/04 15:55
CF409140-GW	B410323-17	Soil	09/14/04 09:55	09/14/04 15:55

North Creek Analytical - Bothell

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1011 SW Klickitat Way, Suite 207

Seattle Spokane

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Project: J.H. Baxter S. Property

Project Number: VULAN-16672-700 Project Manager: Mike Byers

Reported: 09/19/04 11:13

Semivolatile Organic Compounds by EPA Method 8270C North Creek Analytical - Bothell

Analyte	'Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note:
CS1091404-5 (B4I0323-01) Soil	Sampled: 09/14/04	08:55 Rec	eived: 09/14/	04 15:55	·				
Acenaphthene	ND	0.330	mg/kg dry	1	4114057	09/14/04	09/16/04	EPA 8270C	
Acenaphthylene	ND	. 0.330	"	"	10		u	u	
Anthracene	ND	0.330	ti .	n	u	11	H	11	
Benzo (a) anthracene	ND	0.330	Ð	u	н	1)	n	u	
Benzo (a) pyrene	ND	0.330	"	D	"	u	n	н	
Benzo (b) fluoranthene	ND	0.330		"	II .	h	H	11	
Benzo (k) fluoranthene	ND	0.330	ų	4	*	u	u	"	
Benzo (ghi) perylene	ND	0.330		"	н	. н	15		
Carbazole	ND	0.330	ii .	**	,,	H	II	"	
Chrysene	ND	0.330	"	Ħ	tı .	۳	•	u	
Dibenz (a,h) anthracene	ND	0.330	H	w			h		
Dibenzofuran	ND	0.330	n	u	11	n	h	n	
Fluoranthene	ND	0.330	II .	u	и	n	H	H	
Fluorene	ND	0.330	ű	"	**	(I	11	#1	
Indeno (1,2,3-cd) pyrene	ND	0.330	Ħ	n	n	#	er	"	
2-Methylnaphthalene	ND	0.330	Ħ	n	ņ	n	II .	п	
Naphthalene	ND	0.330		n		*	н		
Phenanthrene	ND	0.330	ıı	n		•	II	n	
Pyrene	ND	0.330		п	u	"	**		
Surrogate: p-Terphenyl-d14	88.8 %	44-144			"	"	"	u	
CS2091404-4.5 (B4I0323-02) So	il Sampled: 09/14/	04 09:00 R	eceived: 09/	14/04 15:55	5				
Acenaphthene	ND	0.330	mg/kg dry	1	4114057	09/14/04	09/16/04	EPA 8270C	
Acenaphthylene	ND	0.330	n		11	n		•	
Anthracene	ND	0.330	u	u	. P	"	n	. "	
Benzo (a) anthracene	ND	0.330	u	11	9	n	11	μ	
Benzo (a) pyrene	ND	0.330	в	,,	**		H	н	
Benzo (b) fluoranthene	ND	0.330	**	n	u	"	u		
Benzo (k) fluoranthene	ND	0.330	a	u	u	U	n	*	
Benzo (ghi) perylene	ND	0.330	14	n	n	и .	н	п	
Carbazole	ND	0.330	n		11	n	91	9	
Chrysene	ND	0.330	"	ű		11		**	
Dibenz (a,h) anthracene	ND	0.330		n			11	11	
Dibenz (a,n) anunacene Dibenzofuran	ND	0.330		n n	••	10	**	W .	
Fluoranthene	ND	0.330		D		п	н	п	
• • • • • • • • • • • • • • • • • • • •	ND	0.330		*	**	n	•	n	
Fluorene	ND	0.330					н	n	

North Creek Analytical - Bothell

ND

ND

0.330

0.330

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Indeno (1,2,3-cd) pyrene 2-Methylnaphthalene

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The RETEC Group, Inc. Project: J.H. Baxter S. Property Project Number: VULAN-16672-700 1011 SW Klickitat Way, Suite 207

Reported:

Seattle, WA 98134

Project Manager: Mike Byers

09/19/04 11:13

Semivolatile Organic Compounds by EPA Method 8270C North Creek Analytical - Bothell

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
CS2091404-4.5 (B4I0323-02) Soil	Sampled: 09/14/	04 09:00 Re	eceived: 09/1	4/04 15 <u>:55</u>	<u> </u>				
Naphthalene	ND	0.330	mg/kg dry	1	4114057	09/14/04	09/16/04	EPA 8270C	
Phenanthrene	ND	0.330	II .	n	"	n	11	П	
Pyrene	ND	0.330)) 			н	11		
Surrogate: p-Terphenyl-d14	87.5 %	44-144			"	#	11	v	
CS3091404-5 (B410323-03) Soil	Sampled: 09/14/04	09:03 Rec	eived: 09/1 <u>4</u> /	04_15:55	ė.				
Acenaphthene	0.384	0.330	mg/kg dry	1	4114057	09/14/04	09/17/04	EPA 8270C	
Acenaphthylene	ND	0.330	"	и	•		"	n	
Anthracene	0.583	0.330		ır	п	•	ц	11	
Benzo (a) anthracene	1.70	0.330	•	"	И	•	н	и	
Benzo (a) pyrene	2.06	0.330	11		li .		H	п	
Benzo (b) fluoranthene	1.58	0.330	•	n	H	•	H	n	
Benzo (k) fluoranthene	1.53	0.330	0	n			u	п	
Benzo (ghi) perylene	1.74	0.330	u	**			"	н	
Carbazole	ND	0.330	n	11	н	n	"	н	
Chrysene	2.04	0.330		н	н	Ħ	n	H	
Dibenz (a,h) anthracene	0.715	0.330			10	H	н	11	
Dibenzofuran	ND	0.330	**	11	"		н	н	
Fluoranthene	3.81	0.330	82	*	**	n	п	II .	
Fluorene	ND	0.330	••		11	п	я	u	
Indeno (1,2,3-cd) pyrene	1.44	0.330	n	н	"	**	n		
2-Methylnaphthalene	ND	0.330	Ħ	h	•	n	r	n	
Naphthalene	ND	0.330	н	tı		п	H		
Phenanthrene	2.31	0.330	. "	0	•	••	H	H	
Pyrene	3.80	0.330	11	н	11	11	ri	b	
Surrogate: p-Terphenyl-d14	89.9 %	44-144			н	"	n	"	

North Creek Analytical - Bothell

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The RETEC Group, Inc.

1011 SW Klickitat Way, Suite 207

Seattle, WA 98134

Project: J.H. Baxter S. Property

Project Number: VULAN-16672-700

Reported:

09/19/04 11:13

Semivolatile Organic Compounds by EPA Method 8270C North Creek Analytical - Bothell

Project Manager: Mike Byers

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
CS4091404-5 (B410323-04) Soil	Sampled: 09/14/04	09:09 Rece	ived: 09/14/	04 15:55					
Acenaphthene	ND	0.330	mg/kg dry	1	4114057	09/14/04	09/16/04	EPA 8270C	
Acenaphthylene	ND	0.330	u	17	и	*	n	н	
Anthracene	ND	0.330	II .	u		"	. "	n	
Benzo (a) anthracene	ND	0.330	н	"	•	п	u	u u	
Benzo (a) pyrene	ND	0.330	0	h	IF	n	u u	•	
Benzo (b) fluoranthene	ND	0.330	•	W	11	u	"	u	
Benzo (k) fluoranthene	ND	0.330	n	0	н	н	п	"	
Benzo (ghi) perylene	ND	0.330	u	n		**		u .	
Carbazole	ND	0.330	H		11	11	"	и	
Chrysene	ND	0.330	II .	"	10		tr	"	
Dibenz (a,h) anthracene	ND	0.330				n	11	ti	
Dibenzofuran	ND	0.330	n	11	*	н	n	H	
Fluoranthene	ND	0.330	п	u		"	н	W	
Fluorene	ND	0.330		**	II .	n	1)	u	
Indeno (1,2,3-cd) pyrene	ND	0.330	u	n	u	**	II.	P	
2-Methylnaphthalene	ND	0.330	*	*	n	11	•	11	
Naphthalene	ND	0.330	n	•	*		п	tt	
Phenanthrene	ND	0.330	n		u	ŧı	"	Ħ	
Pyrene	ND	0.330	n	п		"			
Surrogate: p-Terphenyl-d14	84.9 %	44-144			,,	,,	"	"	
CS5091404-5 (B4I0323-05) Soil	Sampled: 09/14/04	09:11 Rec	eived: 09/14	/04 15:55					
Acenaphthene	ND	0.330		1	4114057	09/14/04	09/16/04	EPA 8270C	
Acenaphthylene	ND	0.330	•	**	u	. "	**	n	
Anthracene	ND	0.330	п	"	*	. 11	n		
Benzo (a) anthracene	ND	0.330	b b		и	н	и	11	
Benzo (a) pyrene	ND	0.330	p	"			n	n	
Benzo (b) fluoranthene	ND	0.330	Ħ	u	11	Þ	**	n	
Benzo (k) fluoranthene	ND	0.330	11		"	"	n		
Benzo (ghi) perylene	ND	0.330	"	**	н	**	**	u	
Carbazole	ND	0.330		n	u	**	*	"	
Chrysene	ND	0.330	и	"	n	n		ĮI.	
Dibenz (a,h) anthracene	. ND	0.330	n		ü	u	11	u	
Dibenzofuran	ND	0.330	n	"	*	н	u	n	
Fluoranthene	ND	0.330	e	11	n	ii .	n	п	
Fluorene	ND	0.330	н	u	n		u	n	
Indeno (1,2,3-cd) pyrene	ND	0.330	v	II	"	0	n	n	
2-Methylnaphthalene	ND	0.330	11	**	н	u	u	n	

North Creek Analytical - Bothell

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The RETEC Group, Inc.

1011 SW Klickitat Way, Suite 207

Seattle, WA 98134

Project: J.H. Baxter S. Property

Anchorage

Project Number: VULAN-16672-700

Project Manager: Mike Byers

Reported:

09/19/04 11:13

Semivolatile Organic Compounds by EPA Method 8270C North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
CS5091404-5 (B4I0323-05) Soil	Sampled: 09/14/04	09:11 Rec	eived: 09/14/	04 15:55					
Naphthalene	ND	0.330	mg/kg dry	1	4114057	09/14/04	09/16/04	EPA 8270C	
Phenanthrene	ND	0.330	u	"	"	"	n	н	
Pyrene	ND	0.330	"	**		*		n	
Surrogate: p-Terphenyl-d14	88.5 %	44-144			**	"	"	"	
CS6091404-5 (B410323-06) Soil	Sampled: 09/14/04	09:16 Rec	eived: 09/14/	04 <u>15:55</u>		=			
Acenaphthene	ND	0.330	mg/kg dry	1	4114057	09/14/04	09/16/04	EPA 8270C	
Acenaphthylene	ND	0.330	n		"	"		M	
Anthracene	ND	0.330	11		n	11	n	н	
Benzo (a) anthracene	ND	0.330	"	*	n	*		н	
Benzo (a) pyrene	ND	0.330	"	"	n			н	
Benzo (b) fluoranthene	ND	0.330	п	**	u		"	н	
Benzo (k) fluoranthene	ND	0.330	• н	11	u	u	n	н	
Benzo (ghi) perylene	ND.	0.330		Ħ	п	0			
Carbazole	ND	0.330	н	n	"	9	n	n	
Chrysene	ND	0.330	H	п	п	18	н	n	
Dibenz (a,h) anthracene	ND	0.330	**	II .	"	n n	*	n	
Dibenzofuran	ND	0.330	n	n		n		н	
Fluoranthene	ND	0.330	n	t†	**	0		ч	
Fluorene	ND	0.330	н		"		u	н	
Indeno (1,2,3-cd) pyrene	ND	0.330	н		ıt	ıı .		п	
2-Methylnaphthalene	ND	0.330		"	n	II .			
Naphthalene	ND	0.330	P			Ħ			
Phenanthrene	ND	0.330	**	•	п	u	W	н	
Pyrene	ND	0.330	11	*		II .	"	`n	
Surrogate: p-Terphenyl-d14	77.8 %	44-144			"	"	"	n	

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The RETEC Group, Inc.

1011 SW Klickitat Way, Suite 207

Seattle, WA 98134

Project: J.H. Baxter S. Property Project Number: VULAN-16672-700

Project Manager: Mike Byers

Reported:

09/19/04 11:13

Semivolatile Organic Compounds by EPA Method 8270C North Creek Analytical - Bothell

		Reporting						34-45-4	Note
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
CS7091404-4.5 (B4I0323-07) Soil	Sampled: 09/14/0	4 09:25 Re	ceived: 09/1	<u>4/04_15:55</u>	· ·		 .		
Acenaphthene	ND	0.330	mg/kg dry	1	4114057	09/14/04	09/16/04	EPA 8270C	
Acenaphthylene	ND	0.330	n	u	н	"	u	и	
Anthracene	ND	0.330	n	n	••	H	ıt	. "	
Benzo (a) anthracene	ND	0.330	11	n	D		U	u	
Benzo (a) pyrene	ND	0.330	n	"	n	*	II .	II.	
Benzo (b) fluoranthene	ND	0.330	19	•	п	ŧ	"		
Benzo (k) fluoranthene	ND	0.330	U	u	11	ıı .	"	•	
Benzo (ghi) perylene	ND	0.330	10	41	n	4	u	**	
Carbazole	ND	0.330	II .	н	*1	n	11		
Chrysene	ND	0.330	11	ti	n	11	U	•	
Dibenz (a,h) anthracene	ND	0.330	11	**	"	0	Ħ		
Dibenzofuran	ND	0.330	п	n	н	"	tr	11	
Fluoranthene	ND	0.330	14	u	"	11	n	"	
Fluorene	ND	0.330	n	4	n	II .	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.330	D	"	"		п	u	
2-Methylnaphthalene	ND	0.330		н	н	n	u		
Naphthalene	ND	0.330	H	17	11	"	ii	u	
Phenanthrene	ND	0.330	**		"	н	u		
Pyrene	ND	0.330							
Surrogate: p-Terphenyl-d14	78.7 %	44-144			"	"	H	"	
CS8091404-4.5 (B4I0323-08) Soil	Sampled: 09/14/	04 09:30 R	eceived: 09/1	14/04 15:5	5				
Acenaphthene	ND	0.330	mg/kg dry	1	4114057	09/14/04	09/17/04	EPA 8270C	
Acenaphthylene	ND	0.330	"		tr	"	"		
Anthracene	ND	0.330	h	"	",	11	*		
Benzo (a) anthracene	ND	0.330	*	Ħ		u	н	н	
Benzo (a) pyrene	ND	0.330	11	7	'н	u	н	н	
Benzo (b) fluoranthene	ND	0.330	•	"	**	"	11		
Benzo (k) fluoranthene	ND	0.330	"	0	H	n	н		
Benzo (ghi) perylene	ND	0.330	u	**	"	**	" .	"	
Carbazole	ND	0.330	и .	11	• н	,,	н		
Chrysene	ND	0.330		Ü	n	"		"	
Dibenz (a,h) anthracene	ND	0.330	n	**		**	u	n 	
Dibenzofuran	ND	0.330	n	u	*	н	H	tt	
Fluoranthene	ND	0.330	n			"	и	n	
Fluorene	ND	0.330	н		**	u		n	
Indeno (1,2,3-cd) pyrene	ND	0.330	u	41	n	n	п	н	
2-Methylnaphthalene	ND	0.330	u	17	и	ıı		n	

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The RETEC Group, Inc.

1011 SW Klickitat Way, Suite 207

Project: J.H. Baxter S. Property Project Number: VULAN-16672-700

Reported:

Seattle, WA 98134

Project Manager: Mike Byers

09/19/04 11:13

Semivolatile Organic Compounds by EPA Method 8270C North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
				2.1411011					
CS8091404-4.5 (B4I0323-08) Soil	Sampled: 09/14/	04 09:30 Re	eceived: 09/1	14/04 15:55	<u>. </u>				
Naphthalene	ND	0.330	mg/kg dry	1	4114057	09/14/04	09/17/04	EPA 8270C	
Phenanthrene	ND	0.330	II .	н	11	**	"	н	
Pyrene	ND	0.330	"	"	н				
Surrogate: p-Terphenyl-d14	77.4 %	44-144			"	"	"	n	
CS9091404-4.5 (B4I0323-09) Soil	Sampled: 09/14/	04 09:34 R	eceived: 09/1	14/04 15:55	<u> </u>				
Acenaphthene	ND	0.330	mg/kg dry	1	4114057	09/14/04	09/17/04	EPA 8270C	
Acenaphthylene	ND	0.330	"	U*	**	11	ı	n	
Anthracene	ND	0.330	U	H.	п		*	n	
Benzo (a) anthracene	ND	0.330		H		•			
Benzo (a) pyrene	ND	0.330		n	n			ti .	
Benzo (b) fluoranthene	ND	0.330	**	U U	n			a	
Benzo (k) fluoranthene	ND	0.330	"	u				n	
Benzo (ghi) perylene	ND	0.330	"	M	н		"	11	
Carbazole	ND	0.330		и	н	"		u	
Chrysene	ND	0.330	н	и			u	π	
Dibenz (a,h) anthracene	ND	0.330	"	u	II.		ıı		
Dibenzofuran	ND	0.330	et	н	н		11		
Fluoranthene	ND	0.330		10	n	4	u	at .	
Fluorene	ND	0.330	P	11		**	h		
Indeno (1,2,3-cd) pyrene	ND	0.330	tt	4	11	н	n	п	
2-Methylnaphthalene	ND	0.330	II .	n	и	"	II .		
Naphthalene	ND	0.330		*	n	n	n		
Phenanthrene	ND	0.330	"	"	n	tr	II .	н	
Pyrene	ND	. 0.330	U	4	ti	**	lı	u	
Surrogate: p-Terphenyl-d14	90.9 %	44-144		-	"	"	"	"	

North Creek Analytical - Bothell

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The RETEC Group, Inc.

1011 SW Klickitat Way, Suite 207

Seattle, WA 98134

Project: J.H. Baxter S. Property Project Number: VULAN-16672-700

Project Manager. Mike Byers

Reported:

09/19/04 11:13

Semivolatile Organic Compounds by EPA Method 8270C North Creek Analytical - Bothell

Reporting

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
CS10091404-4.5 (B4I0323-10) Soil	Sampled: 09/14/	/04 09:36 R	leceived: 09/	14/04 15:5	5				
Acenaphthene	ND	0.330	mg/kg dry	1	4114057	09/14/04	09/17/04	EPA 8270C	
Acenaphthylene	ND	0.330	"	н	19	ıı	n	ii	
Anthracene	ND	0.330	H	ч	n	п	ly .	"	
Benzo (a) anthracene	ND	0.330	H	**	n	II .	II .	"	
Benzo (a) pyrene	ND	0.330	"	н	ħ	**	u	n	
Benzo (b) fluoranthene	ND	0.330	n		u	ti	"	п	
Benzo (k) fluoranthene	ND	0.330	н	11	n	"	ii	u	
Benzo (ghi) perylene	ND	0.330	n	n	**	•	11	n	
Carbazole	ND	0.330	**	11	π	•	Ħ	**	
Chrysene	ND	0.330	н	n	9		п	п	
Dibenz (a,h) anthracene	ND	0.330	*	**	u	**	17	u	
Dibenzofuran	ND	0.330	•	*	u	u	u	**	
Fluoranthene	ND	0.330		,,	n	n	*	n	
Fluorene	ND	0.330	н			H	11	**	
Indeno (1,2,3-cd) pyrene	ND	0.330	u		n	n	Ħ	Ħ	
2-Methylnaphthalene	ND	0.330	п	n		n	**		
Naphthalene	ND	0.330	**	*	n	*1		n	
Phenanthrene	ND	0.330	n	n	ti		u	п	
Pyrene	ND	0.330	н	11	b	"	0		
Surrogate: p-Terphenyl-d14	87.4 %	44-144			"	"	"	n	
CS11091404-4.5 (B4I0323-11) Soil	Sampled: 09/14	/04 13:52 I	Received: 09	/1 <u>4/04 15:</u>	55				
Acenaphthene	ND	0.330	mg/kg dry	1	4114057	09/14/04	09/17/04	EPA 8270C	
Acenaphthylene	ND	0.330		п	н	H	II	u u	
Anthracene	ND	0.330	п	u			Ħ		
Benzo (a) anthracene	ND	0.330	n	n	•	н	**	×	
Benzo (a) pyrene	ND	0.330	и	n	*		II	n	
Benzo (b) fluoranthene	ND	0.330		11	н	41	n	u	
Benzo (k) fluoranthene	ND	0.330	"	n	u	11	n	*	
Benzo (ghi) perylene	ND	0.330	Ħ	"	12	n	**	n	
Carbazole	ND	0.330	н	п	н	н	n	**	
Chrysene	ND	0.330	u	*	v	**	u	n	
Dibenz (a,h) anthracene	ND	0.330	10	11	n	11		n	
Dibenzofuran	ND	0.330	•		**	**		11	
Fluoranthene	ND	0.330	u	n	п	н	ı	u	
Fluorene	ND	0.330	91		•	"	**	и	
Indeno (1,2,3-cd) pyrene	ND ND	0.330	u	n			п	#	
• • • • • • • • • • • • • • • • • • • •	ND	0.330		u	n	'n	11	u	
2-Methylnaphthalene	עוו	0.550							

North Creek Analytical - Bothell

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Portland

Anchorage

The RETEC Group, Inc.

1011 SW Klickitat Way, Suite 207

Seattle, WA 98134

Project: J.H. Baxter S. Property Project Number: VULAN-16672-700

Project Manager: Mike Byers

Reported:

09/19/04 11:13

Semivolatile Organic Compounds by EPA Method 8270C North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CS11091404-4.5 (B4I0323-11) Soil	Sampled: 09/14	/04 13:52 F	Received: 09/	14/04 15:5	5				
Naphthalene	ND	0.330	mg/kg dry	1	4114057	09/14/04	09/17/04	EPA 8270C	
Phenanthrene	ND	0.330	n	#	h	•	ıı	n	
Pyrene	ND	0.330	H	n	ft		a		
Surrogate: p-Terphenyl-d14	87.9 %	44-144			" ,	"	11	"	
CS12091404-5 (B4I0323-12) Soil	Sampled: 09/14/0	4 13:56 Re	ceived: 09/1	4/04 15:55					
Acenaphthene	1.76	0.330	mg/kg dry	1	4114057	09/14/04	09/17/04	EPA 8270C	
Acenaphthylene	ND	0.330	ti	н	н		ıı	IF	
Anthracene	0.348	0.330	n	۳.	**	n	11	u	
Benzo (a) anthracene	ND	0.330	n	"	"	tt	11	п	
Benzo (a) pyrene	ND	0.330			*	11	n	II .	
Benzo (b) fluoranthene	ND	0.330	н	"		•	u .	**	
Benzo (k) fluoranthene	ND	0.330	H	н		•	11	н	
Benzo (ghi) perylene	ND	0.330	n	D.	n	n		H	
Carbazole	0.828	0.330	*11	**	II	11	n	n .	
Chrysene	ND	0.330	n		**	n	н	n	
Dibenz (a,h) anthracene	ND	0.330	u	"	n	н	n	n	
Dibenzofuran	ND	0.330	n	H.	u	11	ıı .	#	
Fluoranthene	0.442	0.330	n	"	п	п	n .	n	
Fluorene	1.43	0.330	н	**		11	н	U	
Indeno (1,2,3-cd) pyrene	ND	0.330	+ 11	•	0	n	n	**	
2-Methylnaphthalene	2.39	0.330	TI .		0	**		H	
Naphthalene	11.2	1.65	11	5	15	**	09/17/04	n	
Phenanthrene	1.74	0.330	n	1	**	**	09/17/04		
Pyrene	ND	0.330	n	4	"	u	U	'н	
Surrogate: p-Terphenyl-d14	91.9 %	44-144			"	"	,,	"	

North Creek Analytical - Bothell

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Anchorage

The RETEC Group, Inc. 1011 SW Klickitat Way, Suite 207

Seattle, WA 98134

Project: J.H. Baxter S. Property

Project Number: VULAN-16672-700 Project Manager: Mike Byers

Reported: 09/19/04 11:13

Semivolatile Organic Compounds by EPA Method 8270C North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
CS1309140-4.5 (B410323-13) Soil	Sampled: 09/14/0	04 14:00 R	eceived: 09/1	4/04 15:55	<u>. </u>				
Acenaphthene	ND	0.330	mg/kg dry	1	4114057	09/14/04	09/17/04	EPA 8270C	
Acenaphthylene	ND	0.330	n	n	tt .	"	II	n	
Anthracene	ND	0.330	н		о.	11	II .	n	
Benzo (a) anthracene	ND	0.330	#	п	11	IJ	II	u	
Benzo (a) pyrene	ND	0.330	n	11	n	п	ti	**	
Benzo (b) fluoranthene	ND	0.330	u	U	"		"	n	
Benzo (k) fluoranthene	ND	0.330	ti .	а .	. "		W .	n	
Benzo (ghi) perylene	ND	0.330	**	17	"	n	II	n	
Carbazole	ND	0.330	n	п		•	**	81-	
Chrysene	ND	0.330	•	n		"	n	9	
Dibenz (a,h) anthracene	ND	0.330	"	"	n	II .	H	11	
Dibenzofuran	ND	0.330	u	n	H	u	и		
Fluoranthene	ND	0.330	11		11	n	11		
Fluorene	ND	0.330	11	11	n	**	U	п	
Indeno (1,2,3-cd) pyrene	. ND	0.330	ıı	n	n	п	n	n n	
2-Methylnaphthalene	ND	0.330	п		**	•	"	W	
Naphthalene	1.29	0.330	н	•	11		11	II	
Phenanthrene	ND	0.330	n	11	н	n	H		
Pyrene	ND	0.330	n .			n			
Surrogate: p-Terphenyl-d14	91.6%	44-144			"	"	"	"	
CE100140_CW (R4I0323-14) Soil	Sampled: 09/14/	04 09·12 R	eceived: 09/	14/04 15:5	5				

Surrogate: p-1 erpnenyt-u14	71.0 70								
CF109140-GW (B4I0323-14) Soil	Sampled: 09/14/04	09:12 R	eceived: 09/14	1/04 15:5	5				
Acenaphthene	0.563	0.330	mg/kg dry	1	4114057	09/14/04	09/17/04	EPA 8270C	
Acenaphthylene	ND	0.330	•	н	**	TT	11	11	
Anthracene	0.379	0.330	H	**				. "	
Benzo (a) anthracene	0.989	0.330	,,	"	н	51	,,	n	
Benzo (a) pyrene	0.526	0.330	"	n	н	r	11	n	
Benzo (b) fluoranthene	0.644	0.330			11	**	*	n	
Benzo (k) fluoranthene	0.514	0.330		n	n	11	n		
Benzo (ghi) perylene	0.413	0.330	"	u	*	н	H	n	
Carbazole	ND	0.330	"	*1	"	**	u	п	
Chrysene	1.16	0.330	n	n	u	n	"	4	
Dibenz (a,h) anthracene	ND	0.330			n	"	II	u u	
Dibenzofuran	ND	0.330	11	n	n	**		11	
Fluoranthene	3.53	0.330	4	"	**		n	II	
Fluorene	0.520	0.330	u	n	н	**	н	u	y
Indeno (1,2,3-cd) pyrene	0.356	0.330	ц	u	"	u	U	"	
2-Methylnaphthalene	ND	0.330	**		n	"	н	**	

North Creek Analytical - Bothell

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Seattle, WA 98134

Project: J.H. Baxter S. Property

Project Number: VULAN-16672-700

Project Manager: Mike Byers

Reported: 09/19/04 11:13

Semivolatile Organic Compounds by EPA Method 8270C North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
CF109140-GW (B4I0323-14) Soil	Sampled: 09/14/	04 09:12 R	eceived: 09/1	14/04 15:55	5				
Naphthalene	ND	0.330	mg/kg dry	1	4114057	09/14/04	09/17/04	EPA 8270C	
Phenanthrene	4.50	0.330	n	,,	*	**	.0	•	
Pyrene	2.24	0.330		11			11	"	
Surrogate: p-Terphenyl-d14	79.8 %	44-144			,,	"	,,		
CF209140-GW (B4I0323-15) Soil	Sampled: 09/14/	04 09:30 R	eceived: 09/1	14/04 15:55	5				
Acenaphthene	4.52	0.330	mg/kg dry	1	4114057	09/14/04	09/17/04	EPA 8270C	
Acenaphthylene	ND	0.330	u	"		0	#	•	
Anthracene	6.66	0.330	"	п	"	u	.01	•	
Benzo (a) anthracene	1.24	0.330	п	"	•	n	•	•	
Benzo (a) pyrene	0.817	0.330	n	n		**	"		
Benzo (b) fluoranthene	0.567	0.330	п п	ti		11	n	ır	
Benzo (k) fluoranthene	0.638	0.330	u	п	tr .	11	n	н	
Benzo (ghi) perylene	0.450	0.330			*	II .	10		
Carbazole	1.74	0.330	•	•	**	*	n		
Chrysene	1.57	0.330	n	n	н	**	n	•	
Dibenz (a,h) anthracene	ND	0.330		4	н		u	11	
Dibenzofuran	2.57	0.330	н	-			11		
Fluoranthene	7.86	0.330	n	н	•	n	H	и	
Fluorene	5.45	0.330	. "	#	n	•	u	н	
Indeno (1,2,3-cd) pyrene	0.377	0.330	Ħ		•	#	H	и	
2-Methylnaphthalene	1.13	0.330	n .	*		н	W .	H	
Naphthalene	1.26	0.330	ŋ	π	n	įi.	•	"	
Phenanthrene	12.9	1.65	n	5	n		09/17/04	ti	
Pyrene	5.62	0.330	п	1		R	09/17/04	' н	
Surrogate: p-Terphenyl-d14	80.8 %	44-144			"	"	"	"	

North Creek Analytical - Bothell

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Anchorage

Project: J.H. Baxter S. Property

Project Number: VULAN-16672-700 Project Manager: Mike Byers

Reported:

09/19/04 11:13

Semivolatile Organic Compounds by EPA Method 8270C North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
CF309140-GW (B4I0323-16) Soil	Sampled: 09/14/0	04 09:45 Re	ceived: 09/1	4/04 15:55	<u> </u>			. <u> </u>	
Acenaphthene	ND	0.330	mg/kg dry	l	4114057	09/14/04	09/17/04	EPA 8270C	
Acenaphthylene	ND	0.330	n	H	**	**	II .	и	
Anthracene	ND	0.330		ч	P		ii.	I+	
Benzo (a) anthracene	ND	0.330	u	n	**	"	n		
Benzo (a) pyrene	ND	0.330	u		**	•	n	п	
Benzo (b) fluoranthene	ND	0.330	•	19	Ü	11	н	n	
Benzo (k) fluoranthene	ND	0.330	n	0	и	16	n	n	
Benzo (ghi) perylene	ND	0.330	11	u	**	11	н	н	
Carbazole	ND	0.330	h	n	"	u	"	D	
Chrysene	ND	0.330	W	n		*	11		
Dibenz (a,h) anthracene	ND	0.330	Ħ	4	H	n	H	n	
Dibenzofuran	ND	0.330	н	w	11		U	el	
Fluoranthene	ND	0.330	**		n	**			
Fluorene	ND	0.330	II .	u u		Ħ	11	u	
Indeno (1,2,3-cd) pyrene	ND	0.330		н	*	**	n .	tr.	
2-Methylnaphthalene	ND	0.330	n	. "		н	Ħ	п	
Naphthalene	ND	0.330	0	"	n	**	п	п	
Phenanthrene	ND	0.330	Ħ	н			n	. 11	
	ND	0.330	D	u			•	U	
Pyrene		44-144					"	"	
Surrogate: p-Terphenyl-d14	85.5 %								
CF409140-GW (B4I0323-17) Soil	Sampled: 09/14/	04 09:55 R	eceived: 09/	14/04 15:5					
Acenaphthene	ND	0.330	mg/kg dry	1	4114057	09/14/04	09/17/04	EPA 8270C	
Acenaphthylene	ND	0.330	u	"	"	u	"	II .	

Surrogate: p-Terphenyl-d14	03.3 %	77-177							
CF409140-GW (B4I0323-17) Soil	Sampled: 09/14/	04 09:55 R	eceived: 09/14	/04 15:5	i <u>5</u>				
Acenaphthene	ND	0.330	mg/kg dry	1	4114057	09/14/04	09/17/04	EPA 8270C	
Acenaphthylene	ND	0.330	u		"	"	*	I)	
Anthracene	0.441	0.330	и	n	н	n	n	. "	
Benzo (a) anthracene	ND	0.330	•	н	**	H	**	"	
Benzo (a) pyrene	ND	0.330	n	n	10		и	u	
Benzo (b) fluoranthene	ND	0.330	"	н	n	u	Ħ	n	
Benzo (k) fluoranthene	ND	0.330	H	v	u u	н	11	U	
Benzo (ghi) perylene	ND	0.330	u	Ħ	11	u	"	п	
Carbazole	ND	0.330	11	n	п	**	"	η	
Chrysene	ND	0.330	n	**	0	n			
Dibenz (a,h) anthracene	ND	0.330	и		н	h	11	u	
Dibenzofuran	ND	0.330	U		n n	н	u	п	
Fluoranthene	0.356	0.330	•	n	н	**	11	n	
Fluorene	0.352	0.330	n	**	,,		"	•	
Indeno (1,2,3-cd) pyrene	ND	0.330	**		n	H	, п	"	
2-Methylnaphthalene	ND	0.330	Ħ	11	u	н	11	11	
- ···									

North Creek Analytical - Bothell

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The RETEC Group, Inc.

1011 SW Klickitat Way, Suite 207

Seattle, WA 98134

Project: J.H. Baxter S. Property

Project Number: VULAN-16672-700

Project Manager: Mike Byers

Reported:

09/19/04 11:13

Semivolatile Organic Compounds by EPA Method 8270C North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CF409140-GW (B4I0323-17) Soil	Sampled: 09/14/	04 09:55 R	eceived: 09/1	14/04 15:55	5		<u> </u>		
Naphthalene	ND	0.330	mg/kg dry	1	4114057	09/14/04	09/17/04	EPA 8270C	
Phenanthrene	0.671	0.330	*	n n	**		и	11	
Pyrene	ND	0.330	н				п	"	_
Surrogate: p-Terphenyl-d14	101 %	44-144			"	n	"	n	

North Creek Analytical - Bothell

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Amar Gill, Project Manager

North Creek Analytical, Inc. Environmental Laboratory Network

Page 13 of 19



Spokane

Portland

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The RETEC Group, Inc. 1011 SW Klickitat Way, Suite 207

Seattle, WA 98134

Project: J.H. Baxter S. Property Project Number: VULAN-16672-700

Project Manager: Mike Byers

Reported: 09/19/04 11:13

Physical Parameters by APHA/ASTM/EPA Methods North Creek Analytical - Bothell

	I Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Analyte	- Result								
CS1091404-5 (B410323-01) Soil S	ampled: 09/14/04 08	:55 Recei	ved: 09/14	/04 15:55					
Dry Weight	77.8	1.00	%	1	4114055	09/14/04	09/15/04	BSOPSPL003R08	
CS2091404-4.5 (B4I0323-02) Soil	Sampled: 09/14/04	09:00 Rec	eived: 09/	<u>14/04 15:55</u>					
Dry Weight	92.0	1.00	%	1	4114055	09/14/04	09/15/04	BSOPSPL003R08	
	ampled: 09/14/04 09	:03 Recei	ved: 09/14	1/04 15:55					
Dry Weight	84.3	1.00	%	1 .	4114055	09/14/04	09/15/04	BSOPSPL003R08	
	ampled: 09/14/04 0	9:09 Recei	ived: 09/14	1/04 15:55					
Dry Weight	79.1	1.00	%	1	4114055	09/14/04	09/15/04	BSOPSPL003R08	
CS5091404-5 (B4I0323-05) Soil S	ampled: 09/14/04 0	9:11 Recei	ived: 09/1	4/04 15:55					
Dry Weight	76.1	1.00	%	1	4114055	09/14/04	09/15/04	BSOPSPL003R08	
	ampled: 09/14/04 0	9:16 Rece	ived: 09/1	4/04 15:55					
Dry Weight	71.1	1.00	%	1	4114055	09/14/04	09/15/04	BSOPSPL003R08	
CS7091404-4.5 (B4I0323-07) Soil	Sampled: 09/14/04	09:25 Rec	ceived: 09/	14/04 15:55	5				
Dry Weight	87.8	1.00	%	1	4114055	09/14/04	09/15/04	BSOPSPL003R08	
CS8091404-4.5 (B4I0323-08) Soil	Sampled: 09/14/04	09:30 Re	ceived: 09	/14/04 15:55	<u> </u>				
Dry Weight	73.9	1.00	%	1	4114055	09/14/04	09/15/04	BSOPSPL003R08	
CS9091404-4.5 (B4I0323-09) Soil	Sampled: 09/14/04	09:34 Re	ceived: 09	/14/04 15:55	5				
Dry Weight	76.7	1.00	%	1	4114055	09/14/04	09/15/04	BSOPSPL003R08	

North Creek Analytical - Bothell

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Amar Gill, Project Manager

North Creek Analytical, Inc. Page 14 of 19 **Environmental Laboratory Network**



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The RETEC Group, Inc.

1011 SW Klickitat Way, Suite 207

Seattle, WA 98134

Project: J.H. Baxter S. Property

Project Number: VULAN-16672-700

Project Manager: Mike Byers

Reported:

09/19/04 11:13

Physical Parameters by APHA/ASTM/EPA Methods North Creek Analytical - Bothell

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CS10091404-4.5 (B4I0323-10) Soil	Sampled: 09/14/04	109:36 Re	ceived: 09	/14/04 15:5	5			···	
Dry Weight	84.4	1.00	%	1	4114055	09/14/04	09/15/04	BSOPSPL003R08	
CS11091404-4.5 (B4I0323-11) Soil	Sampled: 09/14/04	13:52 Re	ceived: 09	/14/04 15:5	5				
Dry Weight	79.0	1.00	%	1	4114055	09/14/04	09/15/04	BSOPSPL003R08	
CS12091404-5 (B4I0323-12) Soil	Sampled: 09/14/04 1	3:56 Rec	eived: 09/1	4/04 15:55					
Dry Weight	88.0	1.00	%	1	4114055	09/14/04	09/15/04	BSOPSPL003R08	
CS1309140-4.5 (B4I0323-13) Soil	Sampled: 09/14/04	14:00 Rec	eived: 09/	14/04 15:55					
Dry Weight	89.4	1.00	%	1	4114055	09/14/04	09/15/04	BSOPSPL003R08	
CF109140-GW (B4I0323-14) Soil	Sampled: 09/14/04	09:12 Rec	eived: 09/	14/04 15:55					
Dry Weight	67.8	1.00	%	1	4114055	09/14/04	09/15/04	BSOPSPL003R08	•
CF209140-GW (B4I0323-15) Soil	Sampled: 09/14/04	09:30 Rec	eived: 09/	1 <u>4/04</u> 15:55		<u></u>			
Dry Weight	68.5	1.00	%	1	4114055	09/14/04	09/15/04	BSOPSPL003R08	
CF309140-GW (B4I0323-16) Soil	Sampled: 09/14/04	09:45 Rec	eived: 09/	14/04 15:55					
Dry Weight	72.0	1.00	%	1	4114055	09/14/04	09/15/04	BSOPSPL003R08	
CF409140-GW (B4I0323-17) Soil	Sampled: 09/14/04	09:55 Rec	eived: 09/	14/04 15:55					
Dry Weight	77.1	1.00	%	1	4114055	09/14/04	09/15/04	BSOPSPL003R08	

North Creek Analytical - Bothell

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Amar Gill, Project Manager

North Creek Analytical, Inc. **Environmental Laboratory Network**

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The RETEC Group, Inc.

1011 SW Klickitat Way, Suite 207

Seattle, WA 98134

Project: J.H. Baxter S. Property

Anchorage

Project Number: VULAN-16672-700

Project Manager: Mike Byers

Reported:

09/19/04 11:13

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control North Creek Analytical - Bothell

			Reporting		Spike	Source		%REC		RPD	
Analyte		Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 4114057:	Prepared 09/14/04	Using EP	A 3545								
Blank (4I14057-BL	.K1)										
Acenaphthene		, ND	0.330	mg/kg							
Acenaphthylene		ND	0.330	u							
Anthracene		ND	0.330								
Benzo (a) anthracene		ND	0.330	19							
Benzo (a) pyrene		ND	0.330								
Benzo (b) fluoranthen	e	ND	0.330								
Benzo (k) fluoranthen	e	ND	0.330	II .							
Benzo (ghi) perylene		ND	0.330	(I							
Carbazole		ND	0.330	H							
Chrysene		ND	0.330	**							
Dibenz (a,h) anthracer	ne	ND	0.330	n							•
Dibenzofuran		ND	0.330	н							
luoranthene		ND	0.330	n							
luorene		ND	0.330	п							
ndeno (1,2,3-cd) pyre	ene	ND	0.330	lt .		:					
2-Methylnaphthalene		ND	0.330	II .				•			•
Naphthalene		ND	0.330	17							
Phenanthrene		ND	0.330	r							
Pyrene	•	ND	0.330	p							
Surrogate: p-Terphen	yl-d14	1.86		tı	1.67		111	44-144			
LCS (4114057-BS1											
Acenaphthene		3.10	0.330	mg/kg	3.33		93.1	69-124	•		
Pyrene		3.63	0.330	11	3.33		109	75-135			
Surrogate: p-Terphen	nyl-d14	1.50		"	1.67		89.8	44-144			
LCS Dup (411405)	7-BSD1)										
Acenaphthene		3.16	0.330	mg/kg	3.33		94.9	69-124	1.92	24	
Pyrene		3.88	0.330	II	3.33		117	75-135	6.66	17	
Surrogate: p-Terphen	ryl-d14	1.64		"	1.67		98.2	44-144			

North Creek Analytical - Bothell

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Amar Gill, Project Manager

North Creek Analytical, Inc. Environmental Laboratory Network

Page 16 of 19



The RETEC Group, Inc.

Seattle, WA 98134

1011 SW Klickitat Way, Suite 207

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Anchorage

Project: J.H. Baxter S. Property

Project Number: VULAN-16672-700 Project Manager: Mike Byers

Reported:

09/19/04 11:13

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control North Creek Analytical - Bothell

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 4114057: Prepared 09/14/04	Using EP	A 3545								
Matrix Spike (4114057-MS1)					Source: E	410323-0	2			
Acenaphthene	2.81	0.330	mg/kg dry	3,65	ND	77.0	33-139			
Pyrene	3.24	0.330	н	3.65	ND	88.8	28-156			
Surrogate: p-Terphenyl-d14	1.61		"	1.82	<u>-</u>	88.5	44-144			

North Creek Analytical - Bothell

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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North Creek Analytical, Inc. Environmental Laboratory Network

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Anchorage

The RETEC Group, Inc.

1011 SW Klickitat Way, Suite 207

Seattle, WA 98134

Dry Weight

Project: J.H. Baxter S. Property

Project Number: VULAN-16672-700

Project Manager: Mike Byers

Reported:

09/19/04 11:13

Physical Parameters by APHA/ASTM/EPA Methods - Quality Control North Creek Analytical - Bothell

Analyte		Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4I14055:	Prepared 09/14/04	Using Ge	neral Prep	paration							
Blank (4I14055-BI	LK1)	-					<u> </u>				

99.9

1.00

North Creek Analytical - Bothell

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Amar Gill, Project Manager

North Creek Analytical, Inc. Environmental Laboratory Network Page 18 of 19



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907.563.9200 fax 907.563.9210

The RETEC Group, Inc.

Project Number: VULAN-16672-700

Project: J.H. Baxter S. Property

Project Manager: Mike Byers

Reported: 09/19/04 11:13

Notes and Definitions

DET

Seattle, WA 98134

Analyte DETECTED

ND

Analyte NOT DETECTED at or above the reporting limit

NR

Not Reported

1011 SW Klickitat Way, Suite 207

dry

Sample results reported on a dry weight basis

RPD

Relative Percent Difference

North Creek Analytical - Bothell

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Amar Gill, Project Manager

North Creek Analytical, Inc. Environmental Laboratory Network

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907.563.9200 fax 907.563.9210 Seattle

Anchorage

03 September 2004

Mike Byers The RETEC Group, Inc. 1011 SW Klickitat Way, Suite 207 Seattle, WA 98134

RE: J.H. Baxter S. Property

Enclosed are the results of analyses for samples received by the laboratory on 08/20/04 17:20. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Amar Gill

Project Manager

Chain of Custody Record

Nº 10º818

The RETEC Group, Inc. 1011 S.W. Klickitat Way, Suite 207 - Seattle, WA 98134-1162 (206) 624-8349 Phone • (206) 624-2839 Fax

4	_
45	DETEC
	RETEC

Project Name: THE BOXTON	Project Number:					7	₹/	77	7	7	77	7	77	77	, 1
Send Report To: Mike Byers	Sampler (Print N	arne):	m B	ers		g/	<u> </u>	# /	/ /	/ /		//	' / /	/ /	Pageof
Address: 1011 SW Kickitat	Sampler (Print N	lame):					4		/ /		//	/ /	//		
way, ste 207 Southe	Shipment Method	d: Cou	rier			\$/Q	7	//		//	/ /		/ /	/	
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Fax:		<u> </u>				7		/ /		/ /	′ /	//	/ /		Lab Samba ID
Field Sample ID	Sample Date	Sample S Time	Sample Matrix	Number of Containers		9	/ /							omments, Special Instructions, etc.	Lab Sample ID (to be completed by lab)
DS1082004 - 5'	8/2064	1400	انڪ	1	X									<u> </u>	B4+10566-01
DSZ082004 -51	8/20	1405	501	i	X								Z	М	02
D53882004-4'	8/20	1410	Soil	(X								~	•	٥3
DS4082004-45'	3/20	1415	Soil	l	X									1 ap	04
DS5087004-35	B/26	• • • •	501		X									- Z	05
DS6002004-4'	8/20	1425	Soil		X								Up.	1	06
DS7082004-41	8/20	1430	Soil	_1	X										07
DS8082004-31	8/20	1435			X								0	<u> </u>	08
DS9082004-3'	8/26	1440	ssi]	_1	X								11		09
DS10882004-4'	8/20	1445	soil	L	×								17	1/10	10
DF1 082004 GW	8/20	1450	501		X		_	<u> .</u>					1/1		11
DF 2 082004 BW	8/20/	1453	soil	1	X								7	- Z Z	12
DF3692004 GW	8/20	190	soil	/	X									24	13
DF4082004 GW	8/20	1505	SOIL		X									70	14
														3	1cm
Relinquished by: (Signature) Re	ecaived by: (Signati	ure)		Date:	, [Time:		Sample	Custodia	n Rema	rks (Com	pleted B	y Laboratory	/):	
Tom Been A	~~			8/2/	74	161	10	QA/Q	C Level		Tuman	ound		<u>.</u>	Receipt
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White: Lab Copy

Yellow: PM Copy

Pink: Field Copy

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22.5 ° Ψ/c3 Samples were not @2-6c upon receipti



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The RETEC Group, Inc. 1011 SW Klickitat Way, Suite 207 Seattle, WA 98134

Project: J.H. Baxter S. Property

Project Number: VULAN-16672-700 Project Manager: Mike Byers

Reported: 09/03/04 09:27

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
DS1082004-5'	B4H0566-01	Soil	08/20/04 14:00	08/20/04 17:20
DS2082004-5'	В4Н0566-02	Soil	08/20/04 14:05	08/20/04 17:20
DS3082004-4'	B4H0566-03	Soil	08/20/04 14:10	08/20/04 17:20
DS4082004-4.5'	B4H0566-04	Soil	08/20/04 14:15	08/20/04 17:20
DS5082004-3.5'	B4H0566-05	Soil	08/20/04 14:20	08/20/04 17:20
DS6082004-4'	В4Н0566-06	Soil	08/20/04 14:25	08/20/04 17:20
DS7082004-4'	В4Н0566-07	Soil	08/20/04 14:30	08/20/04 17:20
DS8082004-3'	В4Н0566-08	Soil	08/20/04 14:35	08/20/04 17:20
DS9082004-3'	В4Н0566-09	Soil	08/20/04 14:40	08/20/04 17:20
DS10082004-4'	В4Н0566-10	Soil	08/20/04 14:45	08/20/04 17:20
DF1082004 GW	В4Н0566-11	Soil	08/20/04 14:50	08/20/04 17:20
DF2082004 GW	В4Н0566-12	Soil	08/20/04 14:55	08/20/04 17:20
DF3082004 GW	В4Н0566-13	Soil	08/20/04 15:00	08/20/04 17:20
DF4082004 GW	В4Н0566-14	Soil	08/20/04 15:05	08/20/04 17:20

North Creek Analytical - Bothell

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Amar Gill, Project Manager

North Creek Analytical, Inc. Environmental Laboratory Network

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The RETEC Group, Inc.

1011 SW Klickitat Way, Suite 207

Seattle, WA 98134

Project: J.H. Baxter S. Property

Project Number: VULAN-16672-700

Project Manager: Mike Byers

Reporting

Reported: 09/03/04 09:27

Semivolatile Organic Compounds by EPA Method 8270C North Creek Analytical - Bothell

•		Keporung							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
DS1082004-5' (B4H0566-01) Soil	Sampled: 08/20/0	4 14:00 Re	ceived: 08/2	0/04 17:20)		<u> </u>		
Acenaphthene	ND	0.330	mg/kg dry	1	4H23061	08/23/04	08/30/04	EPA 8270C	
Acenaphthylene	ND	0.330	"	*	u	*	n		
Anthracene	ND	0.330	41	n	"	н	11	**	
Benzo (a) anthracene	ND	0.330	н	n	н	N	11	"	
Benzo (a) pyrene	ND	0.330	**	H	**	**	11	ri .	
Benzo (b) fluoranthene	ND	0.330	n n	Ц	n	n	n	**	
Benzo (k) fluoranthene	ND	0.330	н	н	11		II	ir	
Benzo (ghi) perylene	ND	0.330	u	п	41	u u	n	n	
Carbazole	ND	0.330	п	u	н	n	n	n	
Chrysene	ND	0.330	н	"	'n	n		•	
Dibenz (a,h) anthracene	ND	0.330	н	u	II .	H		n	
Dibenzofuran	ND	0.330	u	н	п	п	n	n	
Fluoranthene	ND	0.330	H	н	н	n	U	U	
Fluorene	ND	0.330	ш	п	н	n	u	11	
Indeno (1,2,3-cd) pyrene	ND	0.330	H	u	н	n	n	•	
2-Methylnaphthalene	ND	0.330	n	н		n		U	
Naphthalene	ND	0.330			10		"	n	
Phenanthrene	ND	0.330	n	n	H	n		n	
Pyrene	ND	0.330	"	**	Ħ	. п		·	
Surrogate: p-Terphenyl-d14	97.1 %	44-144			,,	"	"	"	
DS2082004-5' (B4H0566-02RE1)	Soil Sampled: 08	/20/04 1 <u>4:05</u>	Received:	08/20/04 1	7:20				_
Acenaphthene	ND	0.330	mg/kg dry	1	4H31052	08/31/04	09/01/04	EPA 8270C	
Acenaphthylene	ND	0.330	**	n	n	H	n	n	
Anthracene	ND	0.330	41	0			и	n	
Benzo (a) anthracene	ND	0.330	11	n	•	"	ıı	n	
Benzo (a) pyrene	ND	0.330	u	'n	•	q	"	W	
Benzo (b) fluoranthene	ND	0.330	u	н	li .	41		n	
Benzo (k) fluoranthene	ND	0.330	н .	и	п	10	11	n	
Benzo (ghi) perylene	ND	0.330	n	и	п	n	n	п	
Carbazole	ND	0.330	n	Ħ	п	н	*	п	
Chrysene	ND	0.330	n	u u	PI	n	ш	н	
Dibenz (a,h) anthracene	ND	0.330	11	•	н	"	n	n	
Dibenzofuran	ND	0.330	11	11	•	n	D	n	
Fluoranthene	ND	0.330	•	•	н	н	п	n	
Fluorene	ND	0.330	n	n	11	u	u	u	
		0.000							

North Creek Analytical - Bothell

ND

ND

0.330

0.330

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Amar Gill, Project Manager

Indeno (1,2,3-cd) pyrene

2-Methylnaphthalene

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Seattle

Spokane

Portland

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The RETEC Group, Inc.

1011 SW Klickitat Way, Suite 207

Seattle, WA 98134

Project: J.H. Baxter S. Property

Anchorage

Project Number: VULAN-16672-700

Project Manager: Mike Byers

Reported: 09/03/04 09:27

Semivolatile Organic Compounds by EPA Method 8270C North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
DS2082004-5' (B4H0566-02RE1) Soil	Sampled: 08	/20/04 14:05	Received:	08/20/04 1	7:20				
Naphthalene	ND	0.330	mg/kg dry	1	4H31052	08/31/04	09/01/04	EPA 8270C	
Phenanthrene	ND	0.330	u	ıı	a	н	11		
Pyrene	ND	0.330				"	н	. "	
Surrogate: p-Terphenyl-d14	90.7 %	44-144			u	"	"	12	
DS3082004-4' (B4H0566-03) Soil Sa	mpled: 08/20/0	4 14:10 Re	ceived: 08/2	0/04 17:20	<u> </u>				
Acenaphthene	ND	0.330	mg/kg dry	1	4H23061	08/23/04	08/30/04	EPA 8270C	
Acenaphthylene	ND	0.330	n	ıı	11	н	"	*	
Anthracene	ND	0.330	u	H	п	11	•	и	
Benzo (a) anthracene	ND	0.330	н	н	*	"	п	п	
Benzo (a) pyrene	ND	0.330	n	**	**	•	7	Ħ	
Benzo (b) fluoranthene	ND	0.330	н	D	**	н	u	н	
Benzo (k) fluoranthene	ND	0.330	Ħ		*		n	n	
Benzo (ghi) perylene	ND	0.330	**	11	•	"		u	
Carbazole	ND	0.330	п	н	n	"	11	11	
Chrysene	ND	0.330		n	n		н	п	
Dibenz (a,h) anthracene	ND	0.330	n	u	H	u	n	•	
Dibenzofuran	ND	0.330	ū	n	н	u		•	
Fluoranthene	ND	0.330	u.		u	11	11	н	
Fluorene	. ND	0.330	*	n	n	н .	n		
Indeno (1,2,3-cd) pyrene	ND	0.330	. "	*	u	**	и .	п	
2-Methylnaphthalene	ND	0.330	**	u	**	n	н		
Naphthalene	ND	0.330	n	"	н		п	н	
Phenanthrene	ND	0.330	n	4		- 11	н	0	
Pyrene	ND	0.330	n		11				
Surrogate: p-Terphenyl-d14	57.9 %	44-144			,,	"	"	"	

North Creek Analytical - Bothell

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The RETEC Group, Inc.

1011 SW Klickitat Way, Suite 207

Seattle, WA 98134

Project: J.H. Baxter S. Property

Project Number: VULAN-16672-700

Project Manager: Mike Byers

Reported: 09/03/04 09:27

Semivolatile Organic Compounds by EPA Method 8270C North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
DS4082004-4.5' (B4H0566-04) Soil	Sampled: 08/20	/04 14:15	Received: 08	/20/04 17:2	20				
Acenaphthene	ND	0.330	mg/kg dry	1	4H23061	08/23/04	08/30/04	EPA 8270C	
Acenaphthylene	ND	0.330	41	n			n	H	
Anthracene	ND	0.330		•	"	e e	н	u u	
Benzo (a) anthracene	ND	0.330	**	**	п	n	ii	n	
Benzo (a) pyrene	ND	0.330	**	н	tn .	n	II.		
Benzo (b) fluoranthene	ND	0.330	н		•	•		CP CP	
Benzo (k) fluoranthene	ND	0.330		n	*		ii	н .	
Benzo (ghi) perylene	ND	0.330	**	n	H	•	U	ü	
Carbazole	ND	0.330		11	. #		ii .	н	
Chrysene	ND	0.330	н	8		u	II .	n	
Dibenz (a,h) anthracene	ND	0.330	n	**	H		п	и	
Dibenzofuran	ND	0.330	n	n	n			•	
Fluoranthene	ND.	0.330	n	h	11	**	**	•	
Fluorene	ND	0.330	n	II.	•	**	**	n	
Indeno (1,2,3-cd) pyrene	ND	0.330	n	H	n	"	n	n	
2-Methylnaphthalene	ND	0.330	п	Ħ	n	"	n	n	
Naphthalene	ND	0.330		•	11	•	H	n	
Phenanthrene	ND	0.330	**	H	11	. "	tt	п	
Pyrene	ND	0.330	п		n	"	п	п	
Surrogate: p-Terphenyl-d14	81.0 %	44-144			"	"	"	"	
DS5082004-3.5' (B4H0566-05) Soil	Sampled: 08/20	/04 14:20	Received: 08	/20/04 17:2	20			. <u> </u>	
Acenaphthene	ND	3.30	mg/kg dry	10	4H23061	08/23/04	08/28/04	EPA 8270C	
Acenaphthylene	ND	3.30	В	n	11	u u	"	n	
Anthracene	ND	3.30		11	"	"	n	'н '	
Benzo (a) anthracene	ND	3.30	77	**		10	**	14	
Benzo (a) pyrene	3.90	3.30	•	•	**	u u		n	
Benzo (b) fluoranthene	ND	3.30			*1	u	19	If	
Benzo (k) fluoranthene	ND	3.30	n	"	н	u	**	W	
Benzo (ghi) perylene	ND	3.30	11	n	н	n	п	n	
Carbazole	ND	3.30	n	W	P	,,	н	n	
Chrysene	ND	3.30	n	n	п	,,	n	n .	
Dibenz (a,h) anthracene	ND	3.30	•	**	**		•	n	
Dibenzofuran	ND	3.30	n	•		п	•	Ħ	
Fluoranthene	5.22	3.30	W	,,	ш	H	*1	н	
Fluorene	ND	3.30	Ħ	n		tr .	•	11	
Indeno (1,2,3-cd) pyrene	ND	3.30	**	,,	**	п	*1	11	
2-Methylnaphthalene	ND	3.30	•	n		19	**	н	

North Creek Analytical - Bothell

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Amar Gill, Project Manager

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907.563.9200 fax 907.563.9210

The RETEC Group, Inc.

1011 SW Klickitat Way, Suite 207

Project: J.H. Baxter S. Property

Project Number: VULAN-16672-700

Reported:

Seattle, WA 98134

Project Manager: Mike Byers

09/03/04 09:27

Semivolatile Organic Compounds by EPA Method 8270C North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
DS5082004-3.5' (B4H0566-05) Soil	Sampled: 08/20	/04 14:20 l	Received: 08	/20/04 17:2	20				
Naphthalene	ND	3.30	mg/kg dry	10	4H23061	08/23/04	08/28/04	EPA 8270C	
Phenanthrene	5.18	3.30	P	"	•	н	Ħ	u	
Pyrene	5.75	3,30	"	n 	**	n	"		
Surrogate: p-Terphenyl-d14	49.8 %	44-144			"	"	"	"	
DS6082004-4' (B4H0566-06) Soil	Sampled: 08/20/0	4 14:25 Re	eceived: 08/2	0/04 17:20)				O-07
Acenaphthene	ND	3.30	mg/kg dry	10	4H23061	08/23/04	08/28/04	EPA 8270C	
Acenaphthylene	ND	3.30	11		11	n.	10	H	
Anthracene	ND	3.30		*	· ·	n	U	н	
Benzo (a) anthracene	ND	3.30	*	II .	"	•	10	11	
Benzo (a) pyrene	ND	3.30	D	N	n	h	n	и	
Benzo (b) fluoranthene	ND	3.30		**	н	n	н	n n	
Benzo (k) fluoranthene	ND	3.30	· ·		**	**	н	*	
Benzo (ghi) perylene	ND	3.30	**	п	11	n	#f	n.	
Carbazole	ND	3.30	н	11	н	ч	u	н	
Chrysene	ND	3.30	п	n ·	u u	"	н	•	
Dibenz (a,h) anthracene	ND	3.30		н	10	**	*	n	
Dibenzofuran	ND	3.30	п	"	n	u	и .	u	
Fluoranthene	ND	3.30	11	u	"	**		u	
Fluorene	ND	3.30	n	и	"	ц	4	is .	
Indeno (1,2,3-cd) pyrene	ND	3.30	#		tt.	10	u	h	
2-Methylnaphthalene	ND	3.30	II	"	н	1)	"	11	
Naphthalene	ND	3.30	н		. п	•	n	(I	
Phenanthrene	ND	3.30	**	n	n	n		41	
Pyrene	ND	3.30	ıı	n		, <u>, , , , , , , , , , , , , , , , , , </u>	11	II	
Surrogate: p-Terphenyl-d14	67.6 %	44-144			. "	"	"	"	

North Creek Analytical - Bothell

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The RETEC Group, Inc.

1011 SW Klickitat Way, Suite 207

Seattle, WA 98134

Project: J.H. Baxter S. Property

Project Number: VULAN-16672-700 Project Manager: Mike Byers

Reported:

09/03/04 09:27

Semivolatile Organic Compounds by EPA Method 8270C North Creek Analytical - Bothell

		Reporting						•	
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
DS7082004-4' (B4H0566-07RE1) Soil	Sampled: 08	/20/04 14:30	Received:	08/20/04 1	<u>7:2</u> 0				
Acenaphthene	ND	0.330	mg/kg dry	1	4H31052	08/31/04	09/01/04	EPA 8270C	
Acenaphthylene	ND	0.330	**			"	u	et .	
Anthracene	ND	0.330	•	n	n	"	n	н	
Benzo (a) anthracene	ND	0.330	"	n	*1	"	n	н	
Benzo (a) pyrene	ND	0.330	п	. "	u	"	"	n	
Benzo (b) fluoranthene	ND	0.330		n		н	u	•	
Benzo (k) fluoranthene	ND	0.330	h		n	**	"	n	
Benzo (ghi) perylene	ND	0.330	h	II	H	u	**	41 .	
Carbazole	ND	0.330	H	н	**		" .	n	
Chrysene	ND	0.330		41	*	"	n	**	
Dibenz (a,h) anthracene	ND	0.330	H	"	*	п	u	m	
Dibenzofuran	ND	0.330	n	li .	н	н	u	и	
Fluoranthene	ND	0.330	II .	"	u	"	II .	11	
Fluorene	ND	0.330	n	н			U		
Indeno (1,2,3-cd) pyrene	ND	0.330	h			**	ti	u	
2-Methylnaphthalene	ND	0.330	11	п	**	"	R	ti	
Naphthalene	ND	0.330	u		11			11	
Phenanthrene	ND	0.330	n	11	n	"	ti	•	
Pyrene	ND	0.330	n	•	0	"	**	U	
Surrogate: p-Terphenyl-d14	90.1 %	44-144			"	"	"	,,	
DS8082004-3' (B4H0566-08) Soil Sar	mpled: 08/20/0	14:35 Re	ceived: 08/2	20/04 17:20	1				
Acenaphthene	1.82	0.330	mg/kg dry	1	4H23061	08/23/04	08/30/04	EPA 8270C	
Acenaphthylene	ND	0.330	н	"	n	11	rr rr	n	
Anthracene	0.456	0.330	н		0		n n	. 11	
Benzo (a) anthracene	ND	0.330	11	*	10	**	0		
Benzo (a) pyrene	ND	0.330	n	*	**		н	**	
Benzo (b) fluoranthene	ND	0.330	н	n	11	n	н	ri .	
Benzo (k) fluoranthene	ND	0.330	11	**	**	h	II .	н	
Benzo (ghi) perylene	ND	0.330	p	н	11	u		u	
Carbazole	ND	0.330	н		n	н	ıı	ıı	
Chrysene	ND	0.330	II .	tt	in .	n	n	п	
Dibenz (a,h) anthracene	ND	0.330	11	**		н	11	u .	
Dibenzofuran	0.744	0.330	II	ti	11	н	**	u	
Fluoranthene	1.64	0.330	н	**	11	11	•	u	
Fluorene	1.15	0.330	u	11	11	li .	n	и	
Indeno (1,2,3-cd) pyrene									
macho (t,z,s-od) pyrone	ND	0.330		**	er .	n	.,	ri .	

North Creek Analytical - Bothell

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The RETEC Group, Inc.

1011 SW Klickitat Way, Suite 207

Seattle, WA 98134

Project: J.H. Baxter S. Property

Project Number: VULAN-16672-700

Project Manager: Mike Byers

Reported:

09/03/04 09:27

Semivolatile Organic Compounds by EPA Method 8270C North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
DS8032004-3' (B4H0566-08) Soil	Sampled: 08/20/0	04 14:35 Re	ceived: 08/2	0/04 17:20)				
Naphthalene	2.16	0.330	mg/kg dry	1	4H23061	08/23/04	08/30/04	EPA 8270C	
Phenanthrene	3.04	0.330	#	e	"	"	u	II	
Pyrene	1.16	0.330							
Surrogate: p-Terphenyl-d14	77.9 %	44-144			"	"	"	n	
DS9082004-3' (B4H0566-09) Soil	Sampled: 08/20/0	04 14:40 Re	ceived: 08/2	0/04 17:20)				
Acenaphthene	ND	0.330	mg/kg dry	l	4H23061	08/23/04	08/30/04	EPA 8270C	
Acenaphthylene	ND	0.330	n		**	**	*	e	
Anthracene	ND	0.330	u	"	11	li	19	n	
Benzo (a) anthracene	ND	0.330 -	if	**	II	*	"	n	
Benzo (a) pyrene	ND	0.330	n	п	п	μ	u	"	
Benzo (b) fluoranthene	ND	0.330	ħ	"	н	**	n	u	
Benzo (k) fluoranthene	ND	0.330	H	ıı		*)		н	
Benzo (ghi) perylene	ND	0.330	Ħ	N	u	Ħ	**	51	
Carbazole	ND	0.330	u	u u	**	"	n	D	
Chrysene	ND	0.330	11	U	"	,11	u u	n	
Dibenz (a,h) anthracene	ND	0.330	H	"		**	H	ш	
Dibenzofuran	ND	0.330			n	ш	n	*1	
Fluoranthene	ND	0.330	II	u	•	n	11	Ħ	
Fluorene	ND	0.330	11		n	n	H.	U	
Indeno (1,2,3-cd) pyrene	ND	0.330	n	'n	n	u u	n	15	
2-Methylnaphthalene	ND	0.330	н	u	"		u u	н	
Naphthalene	ND	0.330	n	u	4		Ħ	п	
Phenanthrene	ND	0.330	н	n	n	"	n	"	
Pyrene	ND	0.330	u	н			н		
Surrogate: p-Terphenyl-d14	49.1 %	44-144			"	u	11	"	

North Creek Analytical - Bothell

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Amar Gill, Project Manager

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The RETEC Group, Inc.

1011 SW Klickitat Way, Suite 207

Seattle, WA 98134

Project: J.H. Baxter S. Property Project Number: VULAN-16672-700

Anchorage

Project Manager: Mike Byers

Reported:

09/03/04 09:27

Semivolatile Organic Compounds by EPA Method 8270C North Creek Analytical - Bothell

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
DS10082004-4' (B4H0566-10) Soil	Sampled: 08/20	/04 14:45 F	Received: 08/	20/04 17:2	0			<u> </u>	
Acenaphthene	ND	0.330	mg/kg dry	1	4H23061	08/23/04	08/30/04	EPA 8270C	
Acenaphthylene	ND	0.330	**	n	ħ	11	11	**	
Anthracene	ND	0.330	u	11	H	a	40	0	
Benzo (a) anthracene	ND	0.330	u	"	*1	и	10	"	
Benzo (a) pyrene	ND	0.330	u	ıı ı		п	Ħ	41	
Benzo (b) fluoranthene	ND	0.330	57	*	11		11	"	
Benzo (k) fluoranthene	ND	0.330	11	er er	"		"	u	
Benzo (ghi) perylene	ND	0.330	U	n	"		u	Ц	
Carbazole	ND	0.330	u	11		41	H	11	
Chrysene	ND	0.330		п		19	•	pi .	
Dibenz (a,h) anthracene	ND	0.330	11	n	**	tt	π	н	
Dibenzofuran	ND	0.330	#1	tt	n	n	n	li .	
Fluoranthene	ND	0.330	u u	11	n	Ħ	11	u	
Fluorene	ND	0.330	u	11	n	Ħ	11	"	
Indeno (1,2,3-cd) pyrene	ND	0.330	u	п	"	0	n	n	
2-Methylnaphthalene	ND	0.330		u		н	n	n	
Naphthalene	ND	0.330		**	**	u	u	"	
Phenanthrene	ND	0.330	*			87	u	ıı .	
Pyrene	ND	0.330	11	- 11				#	
Surrogate: p-Terphenyl-d14	80.2 %	44-144			"	"	"	"	
DF1082004 GW (B4H0566-11) Soil	Sampled: 08/2	0/04 14:50	Received: 0	8/20/04 17:	20				
Acenaphthene	ND	0.330	mg/kg dry	1	4H23061	08/23/04	08/30/04	EPA 8270C	
Acenaphthylene	ND	0.330	и	*	"	"	**	11	
Anthracene	ND	0.330	u	h	11	*	н	*#	
Benzo (a) anthracene	ND	0.330	u	n	n	"	II	#	
Benzo (a) pyrene	ND	0.330	n	н	H	11	U	H	
Benzo (b) fluoranthene	ND	0.330	**	n	n	II .	IF	H .	
Benzo (k) fluoranthene	ND	0.330	"	**	n	u	n	11	
Benzo (ghi) perylene	ND	0.330	и	u	u	H	,	n	
Carbazole	ND	0.330	"	u	**	Ħ	u	п	
Chrysene	ND	0.330	"	"	n	0	"	u	
Dibenz (a,h) anthracene	ND	0.330	n		н	"	n	п	
Dibenzofuran	ND	0.330	'n	n			**	tt .	
Fluoranthene	ND	0.330	u	II	u	n	n	**	
Fluorene	ND	0.330	n	u	**	ır	II	н	
Indeno (1,2,3-cd) pyrene	ND	0.330	II	н	n	11		н	
2-Methylnaphthalene	ND	0.330	и	#	u	II .	11		
,									

North Creek Analytical - Bothell

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The RETEC Group, Inc.

1011 SW Klickitat Way, Suite 207

Seattle, WA 98134

Project: J.H. Baxter S. Property

Project Number: VULAN-16672-700 Project Manager: Mike Byers

Reported:

09/03/04 09:27

Semivolatile Organic Compounds by EPA Method 8270C North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
DF1082004 GW (B4H0566-11) Soil	Sampled: 08/20/04 14:50		Received: 08	3/20/04 17:	:20				
Naphthalene	ND	0.330	mg/kg dry	1	4H23061	08/23/04	08/30/04	EPA 8270C	
Phenanthrene	ND	0.330		"	I)	n	u u	н	
Pyrene	ND	0.330			n	II			
Surrogate: p-Terphenyl-d14	45.2 %	44-144			"	"	"	'n	
DF2082004 GW (B4H0566-12) Soil	Sampled: 08/20	0/04 14:55	Received: 0	8/20/04 17:	:20				
Acenaphthene	ND	0.330	mg/kg dry	1	4H23061	08/23/04	08/30/04	EPA 8270C	
Acenaphthylene	ND	0.330	n	"	n	u	•		
Anthracene	ND	0.330	a		**	19	17		
Benzo (a) anthracene	ND	0.330		n	n	H	n	n	
Benzo (a) pyrene	ND	0.330	u		н	н	**	"	
Benzo (b) fluoranthene	ND	0.330	•	п	tı		*	"	
Benzo (k) fluoranthene	ND	0.330	n	n	ч	"	n	u	
Benzo (ghi) perylene	ND	0.330	н	•	1T	"		"	
Carbazole	ND	0.330		U	n	II .	u	n	
Chrysene	ND	0.330	•	11		н	*	•	
Dibenz (a,h) anthracene	ND	0.330	u	*	н	n	u	u	
Dibenzofuran	ND	0.330	11	n	n	n	н	11	
Fluoranthene	ND	0.330	n	11	91	•1	Ħ	n	
Fluorene	ND	0.330	n	п	n	Ħ	II	n	
Indeno (1,2,3-cd) pyrene	ND	0.330	**				"	n	
2-Methylnaphthalene	ND	0.330	u .	n	H	li	n	н	
Naphthalene	ND	0.330	н	n	*	"	tt .	11	
Phenanthrene	ND	0.330	n		u		'n	n	
Pyrene	ND	0.330			н	н			
Surrogate: p-Terphenyl-d14	61.5 %	44-144			"	"	"	n	

North Creek Analytical - Bothell

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1011 SW Klickitat Way, Suite 207

Seattle, WA 98134

Project: J.H. Baxter S. Property

Project Number: VULAN-16672-700

Project Manager: Mike Byers

Reported: 09/03/04 09:27

Semivolatile Organic Compounds by EPA Method 8270C North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
DF3082004 GW (B4H0566-13) Soil	Sampled: 08/2	D/04 15:00	Received: 08	3/20/04 17:	20				
Acenaphthene	ND	0.330	mg/kg dry	1	4H23061	08/23/04	08/30/04	EPA 8270C	
Acenaphthylene	ND	0.330	n		n	n		Ħ	
Anthracene	ND	0.330	11	**	н	н	•	n	
Benzo (a) anthracene	ND.	0.330	u	11	н	41	"	40	
Benzo (a) pyrene	ND	0.330	**	н	U	Ħ	if	n .	Q-39
Benzo (b) fluoranthene	ND	0.330		n	н	*	"	н	Q-39
Benzo (k) fluoranthene	ND	0.330	**	11	н		"	۳.	Q-39
Benzo (ghi) perylene	ND	0.330	11	Ħ	**	**	"	н	Q-39
Carbazole	ND	0.330		**	n	u	"	π	
Chrysene	ND	0.330	н	n		u	11	н	
Dibenz (a,h) anthracene	ND	0.330	ıı .	. "		"	II .		Q-39
Dibenzofuran	ND	0.330	н	u		"	u	u u	
Fluoranthene	ND	0.330		"	tr		11	n	
Fluorene	ND	0.330	,,			"	U		
Indeno (1,2,3-cd) pyrene	ND	0.330			•	**	(r	u	Q-39
2-Methylnaphthalene	ND	0.330	v		*	n	u		
Naphthalene	ND	0.330	•		п		N	11	
Phenanthrene	ND	0.330	#	n	n	п	*	41	
Pyrene	ND	0.330	*		h .	n .	n		
Surrogate: p-Terphenyl-d14	55.0 %	44-144			*	"	"	u	
DF4082004 GW (B4H0566-14) Soil	Sampled: 08/2	0/04 15:05	Received: 08	<u>8/20/04 17:</u>	20		_		O-07
Acenaphthene	ND	1.65	mg/kg dry	5	4H23061	08/23/04	08/31/04	EPA 8270C	
Acenaphthylene	ND	1.65	п	11	•	11	"	n	
Anthracene	ND	1.65		11	11	11	"	л	
Benzo (a) anthracene	ND	1.65	**	п	h	н	"	II	
Benzo (a) pyrene	ND	1.65	11	II .	U	u	"	ii	
Benzo (b) fluoranthene	ND	1.65	II .		"	"	11	II	
Benzo (k) fluoranthene	ND	1.65	"	•	**	b	ıı	н	
Benzo (ghi) perylene	ND	1.65	M	9	n	n	"		
Carbazole	ND	1.65	**	"	•	u	"	61	
Chrysene	ND	1.65	Ħ	"		н	n	n	
Dibenz (a,h) anthracene	ND	1.65	п		"	*	u	и	
Dibenzofuran	ND	1.65	U	11	"	•	и	•	
Fluoranthene	ND	1.65	н	11	,	•	и	•	
Fluorene	ND	1.65	"	n		n	11		
Indeno (1,2,3-cd) pyrene	ND	1.65	н	II .	п		n	h .	

North Creek Analytical - Bothell

ND

1.65

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2-Methylnaphthalene

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The RETEC Group, Inc.

1011 SW Klickitat Way, Suite 207

Seattle, WA 98134

Project: J.H. Baxter S. Property

Anchorage

Project Number: VULAN-16672-700

Project Manager: Mike Byers

Reported:

09/03/04 09:27

Semivolatile Organic Compounds by EPA Method 8270C North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
DF4082004 GW (B4H0566-14) Soil	Sampled: 08/2	0/04 <u>15:05</u>	Received: 08	3/20/04 17	:20				O-07
Naphthalene	ND	1.65	mg/kg dry	5	4H23061	08/23/04	08/31/04	EPA 8270C	
Phenanthrene	ND	1.65	11	u	a	n	. "	n	
Pyrene	ND	1.65			**	н		н	
Surrogate: p-Terphenyl-d14	80.6 %	44-144			"	"	"	"	

North Creek Analytical - Bothell

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The RETEC Group, Inc. 1011 SW Klickitat Way, Suite 207

· Project: J.H. Baxter S. Property Project Number: VULAN-16672-700

Reported:

Seattle, WA 98134

Project Manager: Mike Byers

09/03/04 09:27

Physical Parameters by APHA/ASTM/EPA Methods North Creek Analytical - Bothell

	F	Reporting					•		
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
DS1082004-5' (B4H0566-01) Soil	Sampled: 08/20/04 1	4:00 Rec	eived: 08/	20/04 17:20					
Dry Weight	81.3	1.00	%	1	4H24050	08/24/04	08/25/04	BSOPSPL003R08	
DS2082004-5' (B4H0566-02) Soil	Sampled: 08/20/04 1	4:05 Rec	eived: 08/	20/04 17:20					
Dry Weight	70.2	1.00	%	1	4H24050	08/24/04	08/25/04	BSOPSPL003R08	
DS3082004-4' (B4H0566-03) Soil	Sampled: 08/20/04 1	4:10 Rec	eived: 08/	20/04 17:20				·	
Dry Weight	79.8	1.00	%	1	4H24050	08/24/04	08/25/04	BSOPSPL003R08	
DS4082004-4.5' (B4H0566-04) Soi	l Sampled: 08/20/04	14:15 R	eceived: 0	8/20/04 17:2	20				
Dry Weight	83.3	1.00	%	1	4H24050	08/24/04	08/25/04	BSOPSPL003R08	
DS5082004-3.5' (B4H0566-05) Soi	l Sampled: 08/20/04	14:20 R	eceived: 0	8/20/04 17:2	20			·	
Dry Weight	64.9	1.00	%	1	4H24050	08/24/04	08/25/04	BSOPSPL003R08	
DS6082004-4' (B4H0566-06) Soil	Sampled: 08/20/04 1	14:25 Rec	eived: <u>08</u> /	<u>20/04 17:20</u>			····		
Dry Weight	90.3	1.00	%	1	4H24050	08/24/04	08/25/04	BSOPSPL003R08	
DS7082004-4' (B4H0566-07) Soil	Sampled: 08/20/04	4:30 Rec	eived: 08/	20/04 17:20					
Dry Weight	71.6	1.00	%	1	4H24050	08/24/04	08/25/04	BSOPSPL003R08	
DS8082004-3' (B4H0566-08) Soil	Sampled: 08/20/04	4:35 Rec	eived: 08/	20/04 17:20					
Dry Weight	80.3	1.00	%	1	4H24050	08/24/04	08/25/04	BSOPSPL003R08	
DS9082004-3' (B4H0566-09) Soil	Sampled: 08/20/04	4:40 Rec	eived: <u>08/</u>	20/04 17:20					
Dry Weight	77.3	1.00	%	1	4H24050	08/24/04	08/25/04	BSOPSPL003R08	

North Creek Analytical - Bothell

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Project: J.H. Baxter S. Property

Anchorage

Project Number: VULAN-16672-700

Project Manager: Mike Byers

Reported: 09/03/04 09:27

Physical Parameters by APHA/ASTM/EPA Methods North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
DS10032004-4' (B4H0566-10) Soil	Sampled: 08/20/0	4 14:45 F	Received: 0	8/20/04 17:2	0				
Dry Weight	86.6	1.00	%	1	4H24050	08/24/04	08/25/04	BSOPSPL003R08	
DF1082004 GW (B4H0566-11) Soil	Sampled: 08/20/	04 14:50	Received:	08/20/04 17:	20				
Dry Weight	67.3	1.00	%	1	4H24050	08/24/04	08/25/04	BSOPSPL003R08	
DF2082004 GW (B4H0566-12) Soil	Sampled: 08/20/	04 14:55	Received:	08/20/04 <u>17:</u>	20				
Dry Weight	68.3	1.00	%	1	4H24050	08/24/04	08/25/04	BSOPSPL003R08	
DF3082004 GW (B4H0566-13) Soil	Sampled: 08/20/	04 <u>15:00</u>	Received:	08/20/04 17:	20 .				
Dry Weight	72.7	1.00	%	1	4H24050	08/24/04	08/25/04	BSOPSPL003R08	
DF4082004 GW (B4H0566-14) Soil	Sampled: 08/20/	04 15:05	Received:	08/20/04 17:	20				
Dry Weight	83.0	1.00	%	1	4H24050	08/24/04	08/25/04	BSOPSPL003R08	

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%REC

Anchorage

Source

The RETEC Group, Inc.

1011 SW Klickitat Way, Suite 207

Seattle, WA 98134

Project: J.H. Baxter S. Property

Spike

Project Number: VULAN-16672-700

Project Manager: Mike Byers

Reported: 09/03/04 09:27

RPD

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control North Creek Analytical - Bothell

Reporting

			Reporting		Spike	Source		70KEC		KrD	
Analyte		Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 4H23061:	Prepared 08/23/04	Using F	PA 3545								_
Blank (4H23061-BL	.K1)										
Acenaphthene		ND	0.330	mg/kg							
Acenaphthylene		ND	0.330	и							
Anthracene		ND	0.330	11							
Benzo (a) anthracene		ND	0.330	н							
Benzo (a) pyrene		ND	0.330	II .							
Benzo (b) fluoranthene		ND	0.330	li .							
Benzo (k) fluoranthene		ND	0.330	II .							
Benzo (ghi) perylene		ND	0.330	н							
Carbazole		ND	0.330	II .							
Chrysene		ND	0.330	н							
Dibenz (a,h) anthracene		ND	0.330	"							
Dibenzofuran		ND	0.330	u							
Fluoranthene		ND	0.330	"							
Fluorene		ND	0.330	*							
Indeno (1,2,3-cd) pyren	e	ND	0.330	0							
2-Methylnaphthalene		ND	0.330	n							
Naphthalene		ND	0.330	u							
Phenanthrene		ND	0.330	**							
Pyrene		ND	0.330	•							
Surrogate: p-Terphenyl	-d14	1.15		"	1.67		68.9	44-144		<u> </u>	
LCS (4H23061-BS1))										
Acenaphthene		2.93	0.330	mg/kg	3.33		88.0	69-124			
Pyrene		3.91	0.330	п	3.33		117	75-135			
Surrogate: p-Terphenyl	-d14	1.60		u	1.67		95.8	44-144			
LCS Dup (4H23061	-BSD1)										
Acenaphthene		2.99	0.330	mg/kg	3.33		89.8	69-124	2.03	24	
Pyrene		3.96	0.330	н	3.33		119	75-135	1.27	17	
Surrogate: p-Terphenyl	-d14	1.62		"	1.67		97.0	44-144			

North Creek Analytical - Bothell

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The RETEC Group, Inc.

1011 SW Klickitat Way, Suite 207

Seattle, WA 98134

Project: J.H. Baxter S. Property

Anchorage

Project Number: VULAN-16672-700

Reported:

09/03/04 09:27

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control North Creek Analytical - Bothell

Project Manager: Mike Byers

			Reporting		Spike	Source		%REC		RPD	
Analyte		Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 4H23061:	Prepared 08/23/04	Using El	PA 3545								
Matrix Spike (4H23	3061-MS1)						В4Н0566-				
Acenaphthene		3.59	0.330	mg/kg dry	4.10	ND	87.6	33-139			
Pyrene		4.23	0.330	ji .	4.10	0.164	99.2	28-156			
Surrogate: p-Terpheny	I-d14	1.67		"	2.05		81.5	44-144			
Matrix Spike Dup (4H23061-MSD1)					Source: 1	В4Н0566-	-01			
Acenaphthene		3.26	0.330	mg/kg dry	4.10	ND	79.5	33-139	9.64	. 35	
Pyrene		4.21	0.330	н	4.10	0.164	98.7	28-156	0.474	35	
Surrogate: p-Terpheny	I-d14	1.70		"	2.05		82.9	44-144			
Batch 4H31052:	Prepared 08/31/04	Using E	PA 3550B	B							
Blank (4H31052-B)			-								
Acenaphthene	· · · · · · · · · · · · · · · · · · ·	ND	0.330	mg/kg							
Acenaphthylene		ND	0.330	H							
Anthracene		ND	0.330	**							
Benzo (a) anthracene		ND	0.330	п							
Benzo (a) pyrene		ND	0.330	"							
Benzo (b) fluoranthene	;	ND	0.330	п							
Benzo (k) fluoranthene	:	ND	0.330	и							
Benzo (ghi) perylene		ND	0.330	h							
Carbazole		ND	0.330								
Chrysene		ND	0.330	. 11							
Dibenz (a,h) anthracen	e	ND	0.330	u							
Dibenzofuran		ND	0.330	r							
Fluoranthene		ND	0.330	u							
Fluorene		ND	0.330	H							
Indeno (1,2,3-cd) pyre	ne	ND	0.330	ŧ							
2-Methylnaphthalene		ND	0.330	**							
Naphthalene		ND	0.330	H							
Phenanthrene		ND	0.330	**							
Pyrene		ND	0.330	" 							
Surrogate: p-Terpheny	vl-d14	1.56		"	1.67		93.4	44-144			

North Creek Analytical - Bothell

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Amar Gill, Project Manager

North Creek Analytical, Inc. Environmental Laboratory Network

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11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
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503.906.9200 fax 503.906.9210
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541.383.9310 fax 541.382.7588
2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
907.563.9200 fax 907.563.9210 Portland

Anchorage

The RETEC Group, Inc.

1011 SW Klickitat Way, Suite 207 Seattle, WA 98134

Project: J.H. Baxter S. Property

Project Number: VULAN-16672-700 Project Manager: Mike Byers

Reported: 09/03/04 09:27

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control North Creek Analytical - Bothell

	Reporting			Spike	Source	%REC			RPD		
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes	
Batch 4H31052: Prepared 08/31/04	Using I	EPA 3550B			_						
LCS (4H31052-BS1)											
Acenaphthene	3.26	0.330	mg/kg	3.33		97.9	69-124				
Pyrene	3.93	0.330	n	3.33		118	75-135				
Surrogate: p-Terphenyl-d14	1.69		"	1.67		101	44-144				
LCS Dup (4H31052-BSD1)											
Acenaphthene	3.16	0.330	mg/kg	3.33		94.9	69-124	3.12	24		
Pyrene	3.79	0.330	P	3.33		114	75-135	3.63	17		
Surrogate: p-Terphenyl-d14	1.61		п	1.67		96.4	44-144				

North Creek Analytical - Bothell

Amar Gill, Project Manager

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The RETEC Group, Inc.

1011 SW Klickitat Way, Suite 207

Seattle, WA 98134

Project: J.H. Baxter S. Property

Project Number: VULAN-16672-700

Project Manager: Mike Byers

Reported:

09/03/04 09:27

Physical Parameters by APHA/ASTM/EPA Methods - Quality Control North Creek Analytical - Bothell

Analyte		Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4H24050:	Prepared 08/24/04	Using G	eneral Pre	paration							
Blank (4H24050-BI	_K1)										
Dry Weight		99.8	1.00	%							

North Creek Analytical - Bothell

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20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711 541.383.9310 fax 541.382.7588 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119 907.563.9200 fax 907.563.9210

The RETEC Group, Inc.

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Seattle, WA 98134

Project: J.H. Baxter S. Property

Project Number: VULAN-16672-700

Project Manager: Mike Byers

Reported:

09/03/04 09:27

Notes and Definitions

Severe matrix interference. Results were obtained from the most concentrated dilution which yielded acceptable internal standard O-07

The internal standard associated with this analyte was biased low and outside acceptance criteria. Re-analysis verified the original Q-39

result.

Analyte DETECTED DET

Analyte NOT DETECTED at or above the reporting limit ND

Not Reported NR

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

North Creek Analytical - Bothell

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Amar Gill, Project Manager

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EWO 3817411

State Department of Printing

State Department of Printing	701	REPROGRAPHICS
Account # P-04-1136		NORTHWEST LLC
Sunny Bocke	V	1850 130th Ave NE Bldg 6 Bellevue, WA 98005
Contact:	a 718)	
Contact: Sunny Becker Primary Phone: 475) 64	Per Churi	
Deliver back – Date:	_ 1 by 10 a.m. □ by 3 p.m	
Please answer the following questions about your order. Check or circle where appropriate.	Job Reference or PO:	1640
Printing	Stapling	Drilling
1) Are the copies:	Circle the appropirate option	15) Check the appropriate option
☐ Black & White ☐ Mixed	I I	☐ Three hole
☐ Color	PORTRAIT DOUBLE	☐ Two hole (top edge)
☐ Oversize	ı	☐ Oversize
	LAND-	Folding
2) Are your originals?	SCAPE BOOKLET	rolaing
☐ Single Sided ☐ On Disc	JOAN E	16) Circle the appropriate option.
☐ Double Sided ☐ Mixed		and appropriate option
	Binding	///
3) The copies we produce for you will be:		
☐ Single Sided	10) Circle the appropirate option	17) Check the appropriate option.
☐ Double Sided	COIL COMB	☐ Text in ☐ Text out
☐ Mixed (as is)	John	Sample enclosed
A) What him dief mannenilliere ha		
4) What kind of paper will we be printing on?		Laminating
20 lb white (default paper		
for black & white copies)		18) Check the appropriate option.
☐ Laser bright white (default paper		pouch Roll
for full-color copies)	11) Will the first page be:	L Koli
Transparency	☐ Printed on cover	19) Trim down the lamination to size?
Other	☐ Repeat Cover☐ Not printed on cover	☐ Yes ☐ No
5) The paper size of the copies we	Not printed on cover	
produce will be:	12) The front cover will be:	Mounting
☐ Letter ☐ 100:%	☐ Cardstock — Type:	- Iviouriting
☐ Legal ☐ Fit Pate	☐ Clear (not printed)	20) Check appropriate options.
☐ Ledger (11x17) ☐ Oversized	☐ Vinyl (not printed) — Color:	☐ Foam Core Mounting
Mixed (as is)x	10) 771 6	☐ With laminating
0.11	13) The front cover will be: Cardstock — Type:	☐ Easle backs
6) How many copies of the originals are we making for you?	Clear (not printed)	
we making for you.	☐ Vinyl (not printed) — Color:	Cutting
		-
7) Are the copies?:	Tabs	21) Finished size
Collated (i.e., in order)	Tabs	
 Uncollated (i.e., in separate stacks) 	14) How many tabs?	x
	,,	22) Qty. of Finished pieces
Additional considerations: (attach extra sheet if need)		
(attach onto shoot it field)	220	
	Please provide a list of tabs for creation,	
	along with any special instructions.	

Inting EWD 3817411 State Department of Printing

otate Department of Finning		NODTH MECT LLC
Account # P-04-1136		NORTHWEST LLC 1850 130th Ave NE Bldg 6
Contact: Sunny Becker	Y	Bellevue, WA 98005
Primary Phone: 4v5) 64	a-718/ Per Cherie	
Deliver back – Date:	_ ∮ by 10 a.m. □ by 3 p.m	
Please answer the following questions about your order. Check or circle where appropriate.	Job Reference or PO:	1640
Printing	Stapling	Drilling
1) Are the copies: Black & White Mixed Color Oversize	9) Circle the appropirate option PORTRAIT DOUBLE	15) Check the appropriate option Three hole Two hole (top edge) Oversize
2) Are your originals? Single Sided Double Sided Mixed On Disc	Binding BOOKLET	16) Circle the appropriate option.
3) The copies we produce for you will be: Single Sided Double Sided Mixed (as is)	10) Circle the appropirate option COIL COMB	17) Check the appropriate option. Text in Text out Sample enclosed
4) What kind of paper will we be printing on? 20 lb white (default paper for black & white copies) Laser bright white (default paper for full-color copies) Transparency Other 5) The paper size of the copies we produce will be:	11) Will the first page be: Printed on cover Repeat Cover Not printed on cover 12) The front cover will be:	Laminating 18) Check the appropriate option. pouch Roll 19) Trim down the lamination to size? Yes No Mounting
□ Letter □ 100:% □ Legal □ Fit Pate □ Ledger (11x17) □ Oversized □ Mixed (as is) x	☐ Cardstock — Type: ☐ Clear (not printed) ☐ Vinyl (not printed) — Color: 13) The front cover will be:	20) Check appropriate options. Foam Core Mounting With laminating Easle backs
6) How many copies of the originals are we making for you?	Cardstock — Type: Clear (not printed) Vinyl (not printed) — Color:	Cutting
7) Are the copies?: Collated (i.e., in order) Uncollated (i.e., in separate stacks) 8) Additional considerations: (attach extra sheet if need)	Tabs 14) How many tabs?	21) Finished size x 22) Qty. of Finished pieces
	Please provide a list of tabs for creation, along with any special instructions.	

ting 6440 33171111 State Department of Printing

Account # P-04-1136		NORTHWEST LLC 1850 130th Ave NE Bldg 6
Contact: Sunny Becker Primary Phone: 425) 54	Y	Bellevue, WA 98005
Primary Phone: 1415) 64	9-718/ varchare	
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2) Are your originals? Single Sided On Disc Double Sided	LAND- SCAPE BOOKLET	Folding 16) Circle the appropriate option.
☐ Mixed 3) The copies we produce for you will be: ☐ Single Sided ☐ Double Sided ☐ Mixed (as is)	Binding 10) Circle the appropirate option COIL COMB	17) Check the appropriate option. □ Text in □ Text out □ Sample enclosed
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☐ Letter ☐ 100:% ☐ Legal ☐ Fit Pate ☐ Ledger (11x17) ☐ Oversized ☐ Mixed (as is) — x — — — — — — — — — — — — — — — — —	Clear (not printed) Vinyl (not printed) — Color: 13) The front cover will be: Cardstock — Type: Clear (not printed) Vinyl (not printed) — Color:	20) Check appropriate options. Foam Core Mounting With laminating Easle backs Cutting
7) Are the copies?: Collated (i.e., in order) Uncollated (i.e., in separate stacks) 8) Additional considerations: (attach extra sheet if need)	Tabs 14) How many tabs?	21) Finished size x 22) Qty. of Finished pieces

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